

AD-A110 237

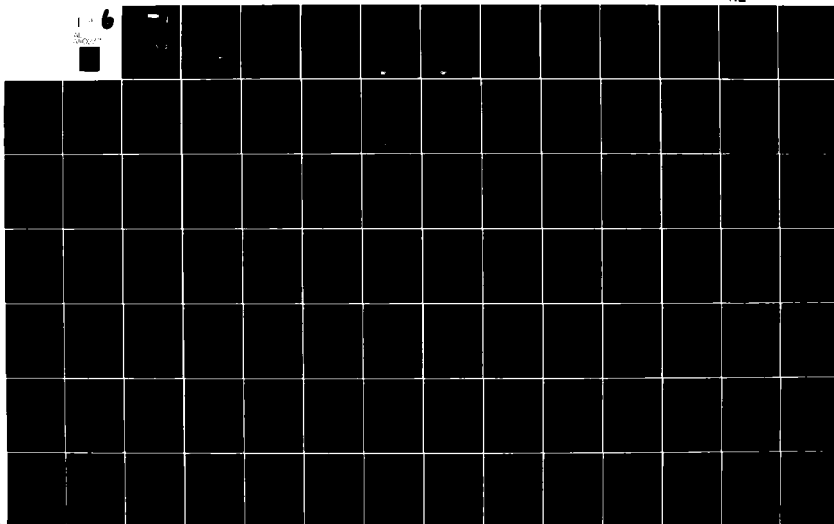
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WESTOVER AFB, CHICOPEE FALLS, MASSACHUSETTS REVISED UNIFORM SUM--ETC(U)  
OCT 81

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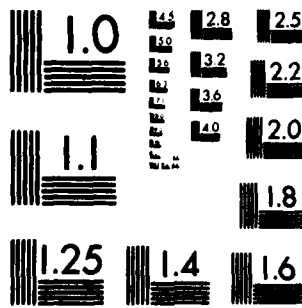
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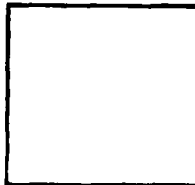
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NATIONAL BUREAU OF STANDARDS 1963-A



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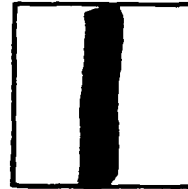
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REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

WESTOVER AFB MA  
N 46 12 W 72 32

FLD ELEV 245 FT CEF

WBAN #14703  
WMO #74491

PARTS A-F

FOR FROM HOURLY OBS: MAR 69 - DEC 70, JAN 73 - FEB 81

FOR FROM DAILY OBS: APR 41 - FEB 81

TIME CONVERSION GMT TO LST: -5

O 5 OCT 1981

OCT 01 1981

FEDERAL BUILDING  
ASHEVILLE, N. C.

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1. REPORT NUMBER USAFETAC/DS-81/091	2. GOVT ACCESSION NO. ADA110237	3. RECIPIENT'S CATALOG NUMBER															
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Westover AFB, Chicopee Falls, Mass		5. TYPE OF REPORT & PERIOD COVERED Final rept.															
7. AUTHOR(s)		6. PERFORMING ORG. REPORT NUMBER															
9. PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		8. CONTRACT OR GRANT NUMBER(s)															
11. CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAC) Scott AFB IL 62225		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS															
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE 1 OCT 81															
		13. NUMBER OF PAGES p. 400															
		15. SECURITY CLASS. (of this report)  UNCLASSIFIED															
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE															
16. DISTRIBUTION STATEMENT (of this Report)  Approved for public release; distribution unlimited.																	
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperature</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperature	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative humidity	*Climatological data	(over)
*RUSSWO	Daily temperature	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Westover AFB, Chicopee Falls, Mass. It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over))																	



19. Percentge frequency of distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency of distribution tables

\* Massachusetts

\*

20. and dew-point temperatures and relative humidity); and (F) Pressure  
Summary (means, standard, deviations, and observation counts of  
station pressure and sea-level pressure). Data in this report are  
presented in tabular form, in most cases in percentage frequency of  
occurrence or cumulative percentage frequency of occurrence tables.

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Westover AFB weather station began part-time operations during February 1976. Since then the station has been generally closed during the hours 2200 LST through 0600 LST depending upon Daylight Savings Time or Standard Time. Due to these inoperative hours, observation counts for these hours were decreased up to 50%. Therefore all users of this summary should be aware of the following:

- a. The hour groups 00-02 LST and 03-05 LST are affected most by these part-time operations. Data is available only for the period of record March 1969 - December 1970, January 1973 - January 1976. Therefore, the statistics for these hour groups may not represent the meteorological conditions existing from February 1976 through February 1981.
- b. During Standard Time, the months November through April for the hour group 21-23 LST, data is available only for 2100 and 2200 LST. Therefore the hour group will be biased towards the first two hours. For the hour group 06-08 LST, data is available only for 0700 and 0800 LST. Therefore the hour group will be biased towards the last two hours.
- c. During Daylight Savings Time (May through October) for the hour group 21-23 LST, data is available only for 2100 LST and therefore the hour group will be biased towards the first hour. The sections and hour groups which should be carefully analyzed when using will be stamped at the top of the corresponding page:

"USE WITH CAUTION SEE FIRST PAGE"



## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

### DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

### DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

#### PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

#### PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

#### PART C SURFACE WINDS

#### PART D CEILING VERSUS VISIBILITY

SKYCOVER

#### PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV -  
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

#### PART F STATION PRESSURE

SEA LEVEL PRESSURE

### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

### MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY \_\_\_\_\_

APRIL \_\_\_\_\_

JULY \_\_\_\_\_

OCTOBER \_\_\_\_\_

FEBRUARY \_\_\_\_\_

MAY \_\_\_\_\_

AUGUST \_\_\_\_\_

NOVEMBER \_\_\_\_\_

MARCH \_\_\_\_\_

JUNE \_\_\_\_\_

SEPTEMBER \_\_\_\_\_

DECEMBER \_\_\_\_\_



STATION NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV. (FT.)	CALL SIGN	WMO NUMBER
14703	WESTOVER AFB/CHICOPEE FALLS MASS	N 42 12	W 072 32	245	CEF	74491

## STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HT. BARO.	
1	Westover Field	AAF	Apr 41	May 41	N 42 12	W 072 32	247	N/A	10
2	Same	Same	Jun 41	Aug 41	Same	Same	Same	Same	24
3	AAF Weather Station	Same	Sep 41	May 53	Same	Same	Same	Same	24
4	Westover AFB	AFB	Jun 53	Apr 54	Same	W 072 33	244	252	24
5	Same	Same	Apr 54	Mar 57	Same	W 072 32	Same	262	24
6	Same	Same	Mar 57	May 58	Same	Same	245	Same	24
7	Same	Same	Apr 58	May 59	Same	Same	Same	247	24
8	Same	Same	Apr 59	Apr 60	Same	Same	255	Same	24
9	Same	Same	Apr 60	Jun 61	Same	Same	245	Same	24
10	Same	Same	Jun 61	Apr 69	Same	Same	Same	255	24
11	Same	Same	May 69	Jan 76	Same	Same	Same	Same	24
12	Same	Same	Feb 76	Jun 81	Same	Same	Same	245	16

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Apr 41	Located in SW half of bldg T-92	Anemon-	N/A	36 ft	
2	Oct 41	Located Room # 109 midway of base hangar on South side	eter			
3	Jun 53	Located on top of base hangar	Same	Same	56 ft	
4	Apr 54	Same	Selsyn	ML144A	90 ft	
5	Apr 55	Same	Same	ML144	115 ft	
6	Mar 57	Located at intersection of rnwy 23-05 and 15-33	Same	Same	105 ft	
7	Apr 60	Located 500 ft W of taxistrip	AN/GMQ-11	RO-2	13 ft	
			Same	Same	11 ft	



NUMBER OF ACTION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
	Jun 61	Located at intersection of rnwy 23-05, 1100 ft NW of centerline and 400 ft N of rnwy 15	Same	Same	15 ft	
	Apr 65	1. Located at intersection of rnwy 23, 1100 ft NW of centerline and 400 ft N of rnwy 15 2. 1100 ft from rnwy 05 end 500 ft from centerline	1&2 Same	1&2 Same	1&2 Same	
	Apr 69	1. Same 2. Same	1&2 Same	1&2 Same	13 ft Same	
	Dec 78	1. Same 2. Same	Same Same	Same Same	Same Same	
	Nov 79	1. Located 500 ft from center line, 1000 ft from threshold of runway 23 2. Located 500 ft from center line, 1000 ft from threshold of runway 05 (BOTH SENSORS LOCATED ON EASTERN SIDE OF RUNWAY)	AN/GMQ-11	RO-362	18 ft	

09-0973



U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse



Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

## WEATHER CONDITIONS

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

70.73-81

YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02		7.3	2.4	7.3		16.1	12.4	2.8			15.0	466
	03-05		6.0	2.6	7.5		14.8	12.3	2.4	.2		14.2	465
	06-08		4.7	2.1	6.9		13.5	12.6	3.3	.5		15.1	763
	09-11		5.8	1.5	8.9		15.0	10.1	5.3	.2		14.6	912
	12-14		5.2	.7	9.8		14.5	7.3	5.4	.1		12.2	912
	15-17		5.6	1.8	8.8		14.8	7.6	4.6	.1		12.0	911
	18-20		5.7	1.3	8.2	.1	14.9	8.7	3.7	.1		12.1	911
	21-23	.1	6.3	1.6	9.0		15.9	10.2	3.1	.1		12.4	766
TOTALS		.0	5.8	1.8	8.3	.0	14.9	10.2	3.8	.2		13.5	6106



2

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USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

# WEATHER CONDITIONS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

70,73-81

YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02		6.4	2.2	9.8		17.1	11.5	2.2	.3		12.3	357
	03-05		5.0	2.2	10.1		16.5	12.0	2.2			12.6	357
	06-08		5.9	1.8	9.4		15.9	13.8	4.7	.3		16.3	681
	09-11		7.0	.9	6.9		14.4	9.4	5.9	.2		14.2	843
	12-14		6.2	.2	7.2		13.4	6.3	3.1	.2		9.1	843
	15-17		6.3	.8	6.2		12.9	6.9	2.5	.6		9.5	643
	18-20		6.7	.7	4.8		11.5	8.1	1.8	.7		10.1	841
	21-23		7.4	1.0	4.9		12.9	7.5	1.9	.4		8.7	676
TOTALS			6.4	1.2	7.4		14.3	9.4	3.0	.3		11.6	5441



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USE WITH CAUTION  
SEE FIRST PAGE

## WEATHER CONDITIONS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

MAR  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00-02		12.7	.2	5.4		17.6	14.2	3.9			17.4	465
	03-05		10.1	.9	4.3		15.1	14.4	3.7			15.9	465
	06-08		8.6	.6	5.5		13.9	15.6	2.8	.5		17.5	777
	09-11	.1	10.3	.2	4.5	.1	14.6	13.1	2.4	.3		14.9	930
	12-14		9.4	.1	5.2	.1	14.4	9.7	2.8	.3		12.4	930
	15-17		10.3	.5	3.9		14.2	9.5	3.4	.4		11.9	930
	18-20		10.4	.6	4.7		15.4	11.0	3.7	.6		13.7	930
	21-23	.3	11.2	.9	5.4		16.4	12.3	3.6	.4		14.5	775
TOTALS		.1	10.4	.5	4.9	.0	15.2	12.5	3.3	.3		14.8	6202



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USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## WEATHER CONDITIONS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

APR  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02	1.1	9.8		3.1		12.4	11.6	2.7			12.0	450
	03-05	.4	7.3		2.0		9.1	14.4	2.4			15.1	450
	06-08		11.8		1.8		13.5	14.7	3.9			16.4	768
	09-11		12.2	.1	1.2		13.2	8.4	3.0			10.8	900
	12-14	.1	14.7	.2	.3		14.9	7.4	1.7			8.4	900
	15-17	.3	12.9	.3	.1		13.2	6.3	1.2			7.0	900
	18-20	.2	12.3	.1	1.1		13.3	7.7	1.4			8.6	900
	21-23	.3	12.2		.8		12.9	10.1	1.5			11.2	731
TOTALS		.3	11.7	.1	1.3		12.8	10.1	2.2			11.2	5999



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USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## WEATHER CONDITIONS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

MAY  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02		12.0				12.0	14.6	3.2			16.3	467
	03-05	.2	13.3				13.3	23.6	4.7			25.8	466
	06-08	.3	11.8		.1		11.8	21.6	6.7			24.6	926
	09-11		9.8		.2		9.8	10.6	6.5			16.0	930
	12-14	1.1	10.6		.2		10.6	6.8	4.9			10.8	930
	15-17	.8	9.4		.3		9.4	6.3	4.0			10.0	930
	18-20	1.2	10.5		.3		10.6	8.1	5.2			12.5	930
	21-23	1.1	11.2				11.2	10.0	5.1			13.6	623
TOTALS		.6	11.1		.1		11.1	12.7	5.0			16.2	6202



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

USE WITH CAUTION  
SEE FIRST PAGE

14703 WESTOVER AFB MA  
STATION STATION NAME

69-70, 73-80  
YEARS

JUN  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02	.4	8.6				8.6	25.1	10.9			29.3	451
	03-05		12.7				12.7	39.3	13.8			42.2	450
	06-08	.9	9.5				9.5	27.1	17.1			35.9	899
	09-11	.1	6.6				6.8	10.3	14.8			22.3	900
	12-14	.8	7.3				7.3	4.9	10.6			13.9	900
	15-17	2.2	8.0				8.0	4.4	8.4			11.2	900
	18-20	2.7	9.3				9.3	7.3	10.2			16.2	900
	21-23	1.0	6.6				6.6	12.9	10.3			19.9	603
TOTALS		1.0	8.6				8.6	16.4	12.0			23.8	6003



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

# WEATHER CONDITIONS

1473 STATION W. ESTOVER AFB MA STATION NAME 69-70.73-80 YEARS JUL MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	3.0	6.7				6.7	25.5	13.3			29.8	466
	03-05	1.5	11.6				11.6	38.1	13.1			39.8	465
	06-08	.6	7.2				7.2	26.6	24.2			39.6	930
	09-11	.4	6.5				6.5	6.2	19.9			24.5	930
	12-14	.9	7.0				7.0	4.9	14.0			16.3	930
	15-17	3.4	5.9				5.9	4.0	12.8			14.5	930
	18-20	3.3	6.8				6.8	6.0	14.8			17.3	930
	21-23	2.1	4.5				4.5	10.9	17.7			22.5	622
TOTALS		1.9	7.0				7.0	15.3	16.2			25.5	6203



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## WEATHER CONDITIONS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80

YEARS

AUG  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	1.5	7.7				7.7	26.3	16.9			31.8	468
	03-05	1.1	7.5				7.5	42.8	17.8			45.6	467
	06-08	.2	9.4				9.4	40.0	22.8			49.1	928
	09-11	.3	7.7				7.7	12.6	22.3			31.2	930
	12-14	1.4	7.0				7.0	6.0	13.4			17.7	930
	15-17	2.0	7.0				7.0	4.6	13.3			16.7	930
	18-20	2.6	6.7				6.7	7.8	16.0			21.4	930
	21-23	2.2	7.6				7.6	13.2	15.4			24.0	628
TOTALS		1.4	7.6				7.6	19.2	17.2			29.7	621



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## WEATHER CONDITIONS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

SEP  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	1.2	12.4				12.4	27.4	13.0			30.4	507
	03-05	.6	11.8				11.8	35.0	11.4			36.0	508
	06-08		10.0				10.0	38.0	12.3			41.3	900
	09-11		9.8				9.8	15.9	13.9			26.0	900
	12-14	.1	9.9				9.9	7.2	8.2			14.8	900
	15-17	1.1	10.0				10.0	7.3	7.7			14.2	900
	18-20	2.3	11.4				11.4	10.2	8.6			16.2	900
	21-23	1.9	13.7				13.7	16.2	10.7			21.7	636
TOTALS		.9	11.1				11.1	19.7	10.7			25.1	6151



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## WEATHER CONDITIONS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80

YEARS

OCT  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02	.4	8.4				8.4	15.5	7.5			16.1	465
	03-05		6.2				6.2	22.4	8.4			23.9	465
	06-08	.1	8.3		.1		8.4	28.3	6.9			30.5	915
	09-11		9.2		.4		9.7	14.6	9.7			21.2	930
	12-14	.1	9.2		.3		9.6	7.6	6.6			13.2	930
	15-17	.2	8.6		.3		8.9	6.2	3.7			9.5	930
	18-20	.1	8.2		.2		8.4	9.0	4.8			12.8	930
	21-23	.5	7.2				7.2	11.9	6.6			14.8	636
TOTALS		.2	8.2		.2		8.4	14.4	6.8			17.8	6201



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

# WEATHER CONDITIONS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80

YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORM	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02		11.8		2.2		13.8	14.2	.9			14.4	450
	03-05		13.8		1.1		14.4	16.2	.9			16.4	450
	06-08		11.6	.4	.4	.1	12.4	21.3	4.0			22.1	751
	09-11		9.2	.2	1.9		11.0	15.7	6.1			18.6	900
	12-14		9.6		1.6		11.0	7.6	4.3			11.1	900
	15-17	.1	11.9		1.3		13.2	8.1	1.9			9.4	900
	18-20	.2	10.4	.3	1.9		12.3	9.1	2.0			11.0	900
	21-23		12.3	.3	1.9		14.1	13.1	1.6			13.6	750
TOTALS		.0	11.3	.2	1.5	.0	12.8	13.2	2.7			14.6	6001



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## WEATHER CONDITIONS

14703 STATION WESTOVER AFB MA STATION NAME 69-70,73-80 YEARS DEC MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02		9.1	2.9	12.2		22.9	15.2	.7	.9		16.8	441
	03-05	.2	7.5	3.2	11.8		20.2	15.4	.9	.7		17.0	441
	06-08		6.2	3.3	8.4		16.3	13.5	1.2	.5		14.7	747
	09-11		6.0	2.7	7.8		15.3	12.2	2.6	.6		13.8	900
	12-14		6.9	1.9	9.4		17.2	9.8	2.6	.3		12.0	900
	15-17		6.0	2.0	9.0		16.4	10.0	1.6	.3		11.7	896
	18-20		5.8	1.2	9.7		16.3	10.2	.7	.3		10.8	886
	21-23		7.7	1.5	9.0		17.1	11.6	.7	.4		12.5	744
TOTALS		.0	6.9	2.3	9.7		17.7	12.2	1.4	.5		13.7	5955



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-81

YEARS

ALL  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.0	5.8	1.8	8.3	.0	14.9	10.2	3.8	.2		13.5	6106
FEB			6.4	1.2	7.4		14.3	9.4	3.0	.3		11.6	5441
MAR		.1	10.4	.5	4.9	.0	15.2	12.5	3.3	.3		14.8	6202
APR		.3	11.7	.1	1.3		12.8	10.1	2.2			11.2	5999
MAY		.6	11.1		.1		11.1	12.7	5.0			16.2	6202
JUN		1.0	8.6				8.6	16.4	12.0			23.8	6003
JUL		1.9	7.0				7.0	15.3	16.2			25.5	6203
AUG		1.4	7.6				7.6	19.2	17.2			29.7	6211
SEP		.9	11.1				11.1	19.7	10.7			25.1	6151
OCT		.2	8.2		.2		8.4	14.4	6.8			17.8	6201
NOV		.0	11.3	.2	1.5	.0	12.8	13.2	2.7			14.6	6001
DEC		.0	6.9	2.3	9.7		17.7	12.2	1.4	.5		13.7	5955
TOTALS		.5	8.8	.5	2.8	.0	11.8	13.8	7.0	.1		18.1	72675



## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than  $\frac{5}{8}$  mile.



1 GLOBAL CLIMATOLOGY BRANCH  
2 USAFETAC  
AFM WEATHER SERVICE/MAC

XXX WEATHER CONDITIONS XXX  
XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
ATMOSPHERIC PHENOMENA

STATION WESTOVER AFB MA 46-81 YEARS ALL MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	.2	26.6	9.5	39.6		51.8	39.9	30.7	4.2		52.7	1111
FEB		.5	26.0	5.8	39.0		50.7	34.4	30.5	3.7		48.7	1016
MAR		2.1	34.7	4.7	31.6	.3	49.8	38.1	27.6	2.7		48.7	1085
APR		4.1	48.5	.2	9.7	.6	47.8	39.0	26.1	.3		46.8	1050
MAY		9.4	51.8		.6	.8	47.4	45.8	32.8			53.0	1085
JUN		16.4	47.7			.3	43.6	55.6	50.6			65.3	1050
JUL		19.0	42.8			.4	39.2	56.9	55.3			66.6	1085
AUG		15.9	43.1			.1	39.4	64.9	56.7			71.1	1085
SEP		8.0	40.3			.2	36.9	60.3	46.5			64.7	1050
OCT		2.8	34.8		1.7		32.5	51.5	39.8			56.4	1084
NOV		1.1	44.2	.9	14.5	.3	46.8	45.9	32.2	.1		54.1	1049
DEC		.3	32.9	10.3	35.2		51.1	42.1	29.0	2.9		54.1	1075
TOTALS		6.6	39.4	2.6	14.3	.2	44.7	47.9	38.1	1.2		56.8	12825



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## PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (\*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)
3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (\*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

\* Values for means and standard deviations do not include measurements from incomplete months.



- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (\*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 57	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION 3 WESTOVER AFB MA 41-81  
STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	45.4	19.	2.8	6.9	4.7	9.2	6.4	4.5	1.6	.1				35.5	1235	3.06	8.92	.42
FEB	47.	19.9	2.2	6.7	4.4	6.3	6.3	5.3	1.9	.1				33.0	1129	3.04	7.67	.70
MAR	46.	16.4	3.1	5.4	5.0	7.2	6.8	5.5	2.4	.1				35.4	1209	3.53	7.74	1.29
APR	45.6	17.9	3.2	4.6	4.9	5.4	6.9	4.9	2.5	.1				35.5	1210	3.68	6.25	.62
MAY	45.6	16.9	3.1	7.1	4.1	9.0	6.9	5.4	2.3					37.5	1240	3.59	7.57	1.00
JUN	49.7	15.6	2.8	6.7	3.2	7.6	6.7	5.1	2.4					34.7	1200	3.52	8.35	.33
JUL	2.6	14.3	2.3	6.4	3.8	6.8	6.0	4.8	2.8	.2				33.1	1240	3.71	9.73	.36
AUG	55.7	13.3	3.1	5.6	3.5	6.5	4.8	4.0	3.1		.2			31.0	1240	3.66	18.68	.88
SEP	59.4	11.	3.8	4.6	3.8	6.3	4.3	4.6	2.5	.6				30.6	1200	3.53	8.65	.82
OCT	2.3	12.7	1.5	4.1	2.8	5.3	4.4	4.4	2.3	.2				25.0	1239	3.07	9.05	.24
NOV	43.7	16.4	2.4	7.3	3.7	7.4	6.3	5.2	3.2					35.5	1198	3.80	7.33	.62
DEC	46.3	18.6	1.4	7.5	3.9	8.0	6.0	5.8	2.5	.1				35.1	1230	3.72	7.25	.67
ANNUAL	50.3	16.2	2.6	6.1	3.9	7.3	6.0	5.0	2.5	.1	.0			33.5	14560	1.91		



AF CLIMATOLOGY BRANCH  
ETAC  
PATH - SF-VIC/MA

# EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

STATION

STOVE AF4 MA

STATION NAME

41-1

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1				.34	.70	1.04	1.36	1.62	.51	.91	1.62	.60	
2	1.44	.82	1.15	.28	1.59	1.59	1.46	.60	1.70	1.13	1.85	2.09	2.19
3	.88	.59	.90	.89	.95	1.1	1.26	.39	.53	1.06	2.17	.30	2.17
4	.76	.64	.70	1.55	.38	2.09	1.15	2.11	3.22	1.09	2.33	.49	2.22
41	1.74	1.57	.76	3.56	1.25	1.55	2.41	1.57	.72	.65	1.23	.91	3.56
42	.7	.56	.56	1.47	1.68	1.21	1.84	.61	1.30	.59	.34	.27	1.84
43	.74	2.10	1.53	1.74	1.23	.87	.85	.98	.94	.92	2.43	.79	2.43
44	.41	.52	.61	.83	1.73	1.26	1.42	1.59	.84	.40	2.24	.85	2.24
45	1.41	.98	.90	.79	2.09	.22	1.42	1.77	.81	1.12*	.77	.76	2.19
46	1.32	.61	.58	1.32	1.19	1.64	.64	2.02	.45	.85	2.19	1.71	1.19
47	.73	3.25	1.34	1.51	1.47	1.44	1.16	.75	1.66	2.38	1.96	.99	3.25
48	.76	1.76	1.63	.89	1.94	2.25	1.88	2.54	.29	.70	1.53		2.54
49	1.71	1.06	1.43	1.53	1.44	.76	.76	1.13	.66	1.33	1.15	1.24	1.53
50	.74	.62	1.29	2.10	1.22	.81	.78	2.58	2.52	.75	1.63	1.1	1.51
51	.73	.91	1.4	.91	.53	.80	.65	2.65	1.65	1.47	2.30	.40	2.13
52	.51	.85	1.1	.58	.39	.82	1.19	.27	2.93	.60	.54	.80	1.23
53	.71	.49	.30	.89	.94	.91	1.68	.99	1.36	.65	.89	2.15	2.15
54	1.14	1.70	1.22	1.47	1.08	.46	1.53	.77	1.64	2.7	1.24	.61	2.7
55	.79	.56	1.28	1.64	.40	1.37	1.93	2.47	1.35	3.37	.91	1.31	3.17
56	1.6	1.78	1.20	1.16	.71	2.30	1.86	1.90	3.86	.97	1.55	1.22	1.90
57	.71	1.51	.84	1.31	.95	.94	1.24	.95	1.90	1.11	1.00	.63	1.91
58	1.90	1.12	1.64	1.33	.63	.77	.59	1.06	1.13	1.55	.86	.61	2.90
59	1.11	1.77	1.29	1.60	.83	.95	1.34	.98	2.37	.18	1.26	1.16	2.37
60	1.35	.78	1.22	.80	.36	.23	.92	1.01	.53	.82	.60	.95	1.35
61	.81	1.11	.35	.91	.51	.96	1.17	.89	.74	.66	.87	.59	1.17
62	.71	1.34	.38	.44	.71	1.49	.92	.26	1.51	1.11	1.53	1.30	1.53
63	.76	.64	1.33	.60	2.02	.81	1.03	.52	1.05	.88	.53	1.70	2.02
64	.45	.74	.92	.76	.90	1.24	.22	.50	.57	.91	1.04	1.84	1.24
65	.41	1.75	1.09	1.14	.98	1.57	1.73	2.44	.93	.40	1.95	1.34	2.44
7	.63	1.72	1.34	2.19	1.64	1.11	.81	1.81	.91	.75	.64	.73	2.19
MEAN													
S.D.													
TOTAL OBS.													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)  
JUL 64



(FROM DAILY OBSERVATIONS)

YEARS

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)



USAF CLIMATOLOGY BRANCH  
AFETAC  
AF WEATHER SERVICE /MAC

**EXTREME VALUES**  
XXXXXXXXXXXXXXXXXXXX  
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

STATION

STOVER AFB, MA

STATION NAME

41-41

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
41				.75	1.63	3.77	4.23	2.47	1.05	1.82	3.01	2.51	
42	3.66	2.41	3.69	.62	4.71	3.94	4.74	1.22	4.09	3.40	7.33	5.92	45.73
43	2.51	1.38	3.52	4.90	6.05	3.25	5.75	1.09	1.13	3.81	5.35	.67	79.51
44	1.25	2.52	3.61	4.57	1.21	4.81	2.32	2.24	6.62	2.02	4.93	2.40	39.15
45	3.27	3.73	2.25	6.21	7.57	6.01	6.88	1.63	2.11	2.40	4.21	5.44	53.70
46	2.22	1.88	1.29	2.88	5.02	3.69	4.34	1.68	2.94	1.46	.79	1.62	32.51
47	2.71	3.47	2.55	5.45	4.11	2.36	3.31	2.25	2.54	1.83	5.39	2.98	35.81
48	4.36	1.40	2.45	2.62	5.51	5.55	4.31	3.23	1.18	1.04	5.43	2.75	41.25
49	6.33	3.15	2.72	2.54	4.88	.33	3.10	2.98	3.28	2.58	2.58	3.95	39.11
50	6.08	4.26	2.34	3.57	4.04	4.73	2.22	3.96	1.98	1.73	5.67	5.37	45.73
51	3.71	7.67	5.20	3.23	3.76	5.63	3.61	2.52	2.61	5.29	7.10	4.71	56.67
52	3.27	2.69	2.58	6.27	3.71	4.02	2.88	5.80	4.83	.52	1.14	3.26	41.45
53	5.22	3.18	7.74	6.17	6.43	2.26	2.50	2.34	.92	2.23	2.47	4.02	48.16
54	2.37	1.24	4.29	4.68	4.96	2.22	2.36	5.73	5.45	1.66	4.61	3.31	43.14
55	.63	3.58	3.65	3.96	1.24	3.27	1.60	1.66	3.71	7.38	4.81	.96	33.51
56	2.53	3.76	5.25	3.37	1.28	2.92	3.30	1.06	5.59	1.60	2.75	5.32	28.91
57	2.32	1.61	2.71	3.64	2.60	2.74	2.21	1.99	1.88	1.50	4.77	7.24	35.01
58	4.53	3.49	3.46	5.28	3.73	2.27	6.17	3.58	6.47	4.18	2.27	1.94	47.95
59	3.09	2.35	4.73	4.54	1.02	4.02	3.72	4.83	1.99	9.18	4.42	4.23	47.95
60	2.28	4.42	3.61	4.35	2.91	6.60	5.04	2.21	6.92	2.74	3.17	2.75	49.10
61	2.11	2.74	3.68	5.13	4.75	3.10	4.09	2.58	3.64	2.00	3.51	2.72	40.35
62	3.62	3.78	1.93	3.55	1.77	2.20	1.37	2.52	3.47	5.30	2.56	1.22	35.05
63	2.96	3.84	3.93	2.63	3.14	4.17	2.31	3.08	4.88	.24	5.60	2.61	39.29
64	4.24	2.37	3.33	3.23	1.00	1.39	3.91	1.59	1.48	1.51	1.94	4.33	20.21
65	1.96	2.42	1.49	2.12	1.79	2.21	2.40	2.49	3.18	2.09	1.92	1.37	14.64
66	2.44	2.84	2.74	.77	3.49	2.39	2.59	.83	4.66	3.55	3.66	2.87	32.88
67	1.42	2.53	4.18	3.16	4.93	2.86	3.46	2.36	2.51	2.04	2.46	5.11	37.22
68	2.14	1.24	3.39	1.81	3.01	5.72	.39	1.81	1.32	2.52	5.01	4.47	32.52
69	1.19	3.72	2.39	4.56	2.36	2.58	5.13	4.34	2.94	1.67	5.43	6.94	43.05
70	.77	3.63	3.79	3.24	4.16	3.07	2.43	5.22	2.95	1.83	3.25	3.34	27.61
MEAN													
S.D.													
TOTAL OBS.													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)  
JUL 64



(FROM DAILY OBSERVATIONS)

STATION

MASTOVER AFB MA

STATION NAME

41-1

**YEARS**

[illegible]

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATMOSPHERIC WEATHER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOWFALL  
(FROM DAILY OBSERVATIONS)

14703

WESTOVER AFB MA

46-81

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	59.1	19.2	6.7	5.4	3.9	1.4	1.5	1.6	1.0	.1				21.7	1108	13.4	37.1	.4
FEB	59.4	19.9	6.5	6.6	2.6	1.4	.7	1.0	1.2	.7	.1			20.7	1016	12.1	31.7	.8
MAR	67.5	18.0	3.4	4.5	2.1	1.4	.5	1.7	.7	.3				14.6	1085	10.0	36.0	.0
APR	89.9	6.3	1.2	1.3	.7	.3	.2	.1						3.8	1050	1.5	7.1	.0
MAY	99.7	.6		.1				.1						.2	1085	.2	5.4	.0
JUN	100.0														1050	.0	.0	.0
JUL	100.0														1085	.0	.0	.0
AUG	100.0														1085	.0	.0	.0
SEP	100.0														1050	.0	.0	.0
OCT	98.1	1.7	.1	.1	.1									.3	1084	.1	2.0	.0
NOV	85.1	10.6	1.0	1.7	.6	.2	.5	.2	.1	.1				4.3	1048	2.3	15.2	.0
DEC	63.0	18.6	3.6	6.3	3.5	2.0	1.1	.7	.7	.3				18.3	1074	11.3	35.8	TRACE
ANNUAL	85.1	7.9	1.9	2.2	1.1	.6	.4	.4	.3	.1	.0			7.0	12820	50.9		

USAFETAC FORM 0-15-5 (OL A)  
OCT 78

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



LOCAL CLIMATOLOGY BRANCH  
AFETAC  
FATHER SERVICE/1AC

# EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

STATION AF34A STATION NAME

46-31 YEARS

## 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
40	5.2	2.9	.1	.3	.0	.0	.0	.0	.0	.0	TRACE	3.0	5.0
41	2.8	7.5	.0	1.0	.0	.0	.0	.0	.0	.0	TRACE	7.6	7.6
42	2.1	5.2	6.1	TRACE	.0	.0	.0	.0	.0	.0	1.4	3.6	8.0
43	9.1	10.5	9.3	.0	.0	.0	.0	.0	.0	.0	5.4	4.5	10.5
44	3.7	9.6	2.0	2.0	.0	.0	.0	.0	.0	.0	TRACE	3.0	9.6
45	7.1	2.5	5.3	.0	.0	.0	.0	.0	.0	.0	3.5	4.5	7.0
46	5.1	7.4	6.1	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE	7.4
47	5.7	4.7	TRACE	4.0	.0	.0	.0	.0	.0	.0	1.4	TRACE	5.7
48	3.0	.5	1.9	1.4	.0	.0	.0	.0	.0	.0	TRACE	.4	3.9
49	.0	3.0	7.8	2.0	.0	.0	.0	.0	.0	TRACE	2.6	1.1	7.8
50	2.2	5.9	10.2	4.6	TRACE	.0	.0	.0	.0	.0	3.7	6.3	10.2
51	4.8	2.3	5.6	2.5	.0	.0	.0	.0	.0	TRACE	TRACE	.0	5.6
52	6.3	17.0	4.5	TRACE	.0	.0	.0	.0	.0	TRACE	1.8	6.0	17.0
53	3.7	3.5	10.8	TRACE	.0	.0	.0	.0	.0	.0	.7	2.9	10.8
54	3.1	3.0	7.2	.6	.0	.0	.0	.0	.0	TRACE	TRACE	13.0	13.0
55	6.4	12.3	8.3	1.3	.0	.0	.0	.0	.0	.0	5.7	6.4	12.3
56	.0	5.8	2.3	.5	.0	.0	.0	.0	.0	.0	1.7	7.1	7.1
57	7.4	8.3	4.8	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	4.1	8.3
58	9.1	9.3	2.8	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	7.1	9.3
59	2.6	1.2	3.0	1.0	.0	.0	.0	.0	.0	.0	TRACE	1.0	3.0
60	7.4	12.2	3.9	.3	TRACE	.0	.0	.0	.0	TRACE	TRACE	3.0	12.2
61	1.1	3.0	12.2	2.2	TRACE	.0	.0	.0	.0	.0	4.2	13.6	13.6
62	2.5	1.3	2.9	.0	.0	.0	.0	.0	.0	.0	4.3	3.7	4.3
63	.0	12.7	5.5	.0	.0	.0	.0	.0	.0	.0	TRACE	12.7	12.7
64	2.1	3.9	4.5	2.1	TRACE	.0	.0	.0	.0	TRACE	TRACE	7.2	7.0
65	7.1	5.9	3.0	3.7	.0	.0	.0	.0	.0	.0	12.2	3.0	12.2
66	2.4	13.0	6.9	3.0	.0	.0	.0	.0	.0	.0	4.1	4.9	13.0
67	10.4	1.5	TRACE	.2	.0	.0	.0	.0	.0	.0	TRACE	2.2	10.4
68	8.2	9.1	1.4	2.0	.0	.0	.0	.0	.0	TRACE	.2	3.7	9.1
69	8.8	8.6	.8	.3	.0	.0	.0	.0	.0	.0	1.7	7.6	8.8
MEAN													
S.D.													
TOTAL OBS.													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)  
JUL 84



USAF ETAC FORM 0-88-5 (OLA)



FEDERAL CLIMATOLOGY BRANCH  
METAC  
WEATHER SERVICE/MAC

# EXTREME VALUES

MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

YEARS

## TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45	20.0	3.5	.0	.6	.0	.0	.0	.0	.0	.0	TRACE	6.8	30.9
47	5.6	16.5	6.0	1.0	.0	.0	.0	.0	.0	.0	TRACE	25.9	55.0
48	37.1	13.6	13.8	TRACE	.0	.0	.0	.0	.0	.0	1.4	6.7	72.6
49	24.2	16.3	14.3	.0	.0	.0	.0	.0	.0	.0	* 5.7	11.7	* 72.2
50	9.3	29.0	4.3	3.0	.0	.0	.0	.0	.0	.0	TRACE	7.4	53.0
51	15.5	6.6	8.7	.0	.0	.0	.0	.0	.0	.0	4.5	11.7	49.0
52	15.1	8.9	8.6	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE	32.6
53	12.5	9.8	TRACE	4.9	.0	.0	.0	.0	.0	.0	1.5	TRACE	28.7
54	18.6	.8	1.9	1.7	.0	.0	.0	.0	.0	.0	TRACE	.4	23.4
55	1.2	7.8	12.1	2.0	.0	.0	.0	.0	.0	TRACE	2.6	1.1	28.5
56	5.2	12.9	30.0	4.6	TRACE	.0	.0	.0	.0	.0	4.7	19.1	60.6
57	14.4	3.7	10.8	6.2	.0	.0	.0	.0	.0	TRACE	TRACE	4.4	39.7
58	11.8	26.2	11.6	TRACE	.0	.0	.0	.0	.0	TRACE	1.8	11.5	67.5
59	7.7	6.0	28.3	TRACE	.0	.0	.0	.0	.0	.0	.7	6.2	43.9
60	4.5	7.2	18.8	.0	.0	.0	.0	.0	.0	TRACE	TRACE	1.5	56.8
61	22.1	12.9	17.9	2.5	.0	.0	.0	.0	.0	.0	2.7	11.2	72.0
62	8.3	22.7	2.3	.5	.0	.0	.0	.0	.0	.0	1.7	17.1	47.5
63	11.3	15.1	11.6	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	10.7	53.6
64	16.4	20.3	4.3	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	1.1	53.1
65	* 7.3	4.3	7.5	1.0	.0	.0	.0	.0	.0	.0	TRACE	1.7	* 21.2
66	20.1	15.7	6.3	.3	TRACE	.0	.0	.0	.0	TRACE	TRACE	12.2	61.0
67	2.9	23.0	35.6	2.2	TRACE	.0	.0	.0	.0	.0	8.6*	20.2	* 92.5
68	8.8	1.2	6.7	.0	.0	.0	.0	.0	.0	.0	7.8	11.5	36.1
69	.4	28.5	6.1	.0	.0	.0	.0	.0	.0	.0	TRACE	35.8	70.8
70	4.5	6.3	16.5	2.1	TRACE	.0	.0	.0	.0	TRACE	TRACE	26.8	56.3
71	16.5	12.3	11.0	4.8	.0	.0	.0	.0	.0	.0	15.2	10.9	70.7
72	5.6	31.7	13.7	7.1	.0	.0	.0	.0	.0	.0*	3.0	12.9	* 79.2
73	14.2	4.0	TRACE	.2	.0	.0	.0	.0	.0	.0	TRACE	2.6	22.0
74	16.1	13.3	1.7	2.5	.0	.0	.0	.0	.0	TRACE	.5	4.3	39.0
75	2.1	17.6	2.1	.3	.0	.0	.0	.0	.0	.0	2.7	16.4	59.0
MEAN													
S. D.													
TOTAL OBS.													

NOTE: \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-B (OLA)



# \*\*\*\*\*EXTREME VALUES\*\*\*\*\*

## MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

3	WESTOVER AFB MA
STATION	STATION NAME

46-21

**YEARS**

## TOTAL MONTHLY SNOWFALL IN INCHES

[illegible]

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)  
JUL 84



2 GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

14713 WESTOVER AFB MA

41-61

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	23.0	12.1	1.2	10.0	10.1	12.8	13.6	7.4	.2					64.2	1235			
FEB	20.3	12.1	8.9	8.6	4.7	11.4	16.6	7.0	.3					57.6	1118			
MAR	58.7	12.1	7.1	5.2	4.0	6.7	5.4	1.2						29.6	1209			
APR	96.2	1.9	.4	.7	.4	.3								1.9	1210			
MAY	100.0														1240			
JUN	100.0														1200			
JUL	100.0														1240			
AUG	100.0														1240			
SEP	100.0														1200			
OCT	99.9	.1													1239			
NOV	93.7	2.5	1.7	.7	.6	.5	.4							3.8	1197			
DEC	55.1	7.4	9.1	8.1	5.5	8.1	5.1	1.5						37.5	1229			
ANNUAL	79.8	4.0	3.1	2.8	2.1	3.3	3.4	1.4	.					16.2	14547			

USAFETAC FORM 0-15-5 (OL A)  
OCT 75

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



FEDERAL CLIMATOLOGY BRANCH  
 WETAC  
 AIR WEATHER SERVICE/MAC

# EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

STATION RESTON AFB VA STATION NAME 41-31 YEARS 1943

## DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
41				0	0	0	0	0	0	0	0	0	
42	4*	0	2	2	0	0	0	0	0	0	0	4	4
43	1*	10	3	1	0	0	0	0	0	0*	3	0	* 13
44	7	9	9	0	0	0	0	0	0	0	0*	12	* 12
45	13	15	2	0	0	0	0	0	0	0	3	14	17
46	13	16	6	TRACE	0	0	0	0	0	0	0	3	18
47	7	10	4	TRACE	0	0	0	0	0	0	0	15	14
48	24	24	13	0	0	0	0	0	0	0	1	4	26
49	3	9	12	0	0	0	0	0	0	0*	0	7	12
50	7	14	12	3	0	0	0	0	0	0	0	2	17
51	1	5	4	0	0	0	0	0	0	0	1	6	1
52	0	9	6	0	0	0	0	0	0	0	0	0	0
53	0	5	TRACE	3	0	0	0	0	0	0	0	TRACE	0
54	0	2	0	1	0	0	0	0	0	0	0	TRACE	0
55	TRACE	3	4	2	0	0	0	0	0	0	3	0	6
56	0	5	24	4	0	0	0	0	0	0	0	0	14
57	0	5	3	3	0	0	0	0	0	0	TRACE	0	3
58	0	23	4	0	0	0	0	0	0	0	TRACE	7	23
59	0	5	8	0	0	0	0	0	0	0	TRACE	4	9
60	0	3	12	0	0	0	0	0	0	0	0	13	13
61	12	31	0	0	0	0	0	0	0	0	6	9	21
62	4	14	7	TRACE	0	0	0	0	0	0	1	9	16
63	11	9	12	0	0	0	0	0	0	0	0	0	12
64	12	15	7	0	0	0	0	0	0	0	0	7	15
65	10	5	3	0	0	0	0	0	0	0	0	1	10
66	12	13	7	0	0	0	0	0	0	0	0	0	12
67	6	10	15	0	0	0	0	0	0	0	1	15	15
68	19	2	3	0	0	0	0	0	0	0	0	0	19
69	5	16	18	7	0	0	0	0	0	0	0	0	0
70	19	7	5	4	0	0	0	0	0	0	0	0	19
MEAN													
S. D.													
TOTAL OBS.													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)  
 JUL 84



USAF ETAC FORM 0-88.5 (OLA)



U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- \*1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- \*2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

\*Values for means and standard deviations do not include measurements from incomplete months.



\* (BASED ON LESS THAN FULL MONTHS AND +1.0 KNOTS)



3 (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

USE WITH CAUTION  
SEE FIRST PAGE

# SURFACE WINDS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

70,73-76,80  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	4.5	2.6	.4								9.4	5.8
NNE	.6	.6	1.1	.2								2.6	6.6
NE	1.1	.4										1.5	3.0
ENE	.4	.4										.9	4.0
E	.9	.2	.2									1.3	3.5
ESE													
SE	.9											.9	2.0
SSE	1.3	.4	.2									1.9	3.2
S	1.7	1.5	1.3	.2	.2							4.9	6.0
SSW	.6	2.1	2.4	.9	.2							6.2	7.5
SW	.6	1.3	.4									2.4	5.2
WSW	.4	.4	.2									1.1	4.8
W	.6	.4	1.3	.2								2.6	6.8
WNW	.6	1.9	2.8	2.6	.6	.2						8.8	10.0
NW	1.5	1.7	4.5	3.0	.4	.2	.2					11.6	9.7
NNW	1.5	.4	1.7									3.6	5.8
VARBL													
CALM												40.3	
	14.8	16.5	18.7	7.5	1.5	.4	.2					100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

466



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

USE WITH CAUTION  
SEE FIRST PAGE

1473  
STATION

WESTOVER AFB MA

STATION NAME

70,73-76,80

YEARS

JAN

MONTH

ALL WEATHER

CLASS

0300-0500

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	3.4	2.6	.9								10.8	5.6
NNE	1.5	1.3	.6									3.4	4.5
NE	1.1	.4										1.5	3.0
ENE	.2											.2	1.0
E	.2		.6									.9	7.5
ESE													
SE	.2	.2										.4	2.5
SSE	.6	.9	.2									1.7	4.1
S	.6	1.7	1.3	.9								4.5	7.2
SSW	1.1	.4	1.5	1.1								4.1	7.8
SW	.2	1.3	.4	.4								2.4	6.2
WSW		.6	.2									.9	5.5
W	.6	3.4	1.7									5.8	5.8
WNW	.9	1.5	2.6	1.9	.6							7.5	9.7
NW	1.7	1.1	3.2	2.8	.4	.2						9.5	9.4
NNW	1.3	1.7	1.9	.4								5.4	6.4
VARBL													
CALM												41.1	
	14.2	18.1	17.0	8.4	1.1	.2						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

465



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND USE WITH CAUTION  
DIRECTION AND SPEED SEE FIRST PAGE  
(FROM HOURLY OBSERVATIONS)

14713

WESTOVER AFB MA

70,73-81

JAN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0600-0800

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	4.5	3.1	2.1	.1							12.2	7.1
NNE	.9	.4	.5	.1								2.0	5.6
NE	1.0	.5	.4									2.0	3.9
ENE	.7	.7		.1								1.4	3.7
E	.5	.3	.4									1.2	5.0
ESE	.1											.1	2.0
SE	.4	.1										.5	2.3
SSE	1.2	.7	.3	.1	.1							2.4	5.1
S	1.2	2.5	1.3	.1	.1							5.2	5.9
SSW	.7	1.4	1.2	.7								3.9	6.8
SW	.7	1.6	1.3	.3								3.8	6.5
WSW	.1	.9	.3	.4	.1							1.8	8.3
W	.7	1.7	2.6	1.2		.1						6.3	8.3
WNW	.7	1.0	2.0	4.1	.8	.3						8.8	11.4
NW	1.3	1.7	1.8	1.4	.4		.1					6.8	8.3
NNW	1.2	2.5	1.2	.1	.1							5.1	6.0
VARBL													
CALM												36.4	
	13.6	20.4	16.4	10.7	1.8	.4	.1					100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

763



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14703 WESTOVER AFB MA 70,73-81 JAN  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
0900-1100  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.4	5.6	4.7	1.8	.8							16.2	7.0
NNE	.8	1.3	.1	1.0	.1							3.3	7.5
NE	.2	.2	.9									1.3	6.8
ENE	.2	.5										.8	4.7
E	.2		.1									.3	3.7
ESE	.1	.2										.3	4.3
SE	.2											.2	2.0
SSE	.4	.3	.1									.9	3.6
S	.5	2.4	1.5	.5	.1	.2	.1					5.5	7.9
SSW	1.2	1.6	2.6	.2								5.7	6.4
SW	.7	1.8	2.3	.8	.5							6.0	6.2
WSW	.1	1.4	.8	.1	.3	.1						2.9	8.3
W	1.0	.8	1.5	3.5	.8	.1						7.7	10.5
WNW	.2	.8	2.3	4.1	1.3	.3						9.0	12.3
NW	1.0	1.6	3.3	2.7	.8							9.4	9.3
NNW	1.0	1.6	1.9	1.3	.3							6.1	8.1
VARBL													
CALM												24.3	
	11.3	20.3	22.1	16.0	5.0	.8	.1					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 912



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

70,73-81  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	6.1	3.3	2.7	.3							15.4	7.1
NNE	.7	1.2	.9	.3								3.1	6.0
NE	.4	.8		.1								1.3	5.0
ENE	.2	.2	.3									.8	5.1
E	.2	.1										.3	3.0
ESE	.3	.1										.4	3.0
SE	.3	.1										.4	2.5
SSE	.2	.3										.5	3.2
S	1.1	2.3	2.1	.2	.2	.1						6.0	7.1
SSW	.5	2.3	2.4	1.5	.2							7.0	8.1
SW	1.2	1.9	1.0	.4	.2	.1						4.8	6.9
WSW	.2	.9	.4	.5	.7	.1						2.9	11.0
W	1.0	.9	2.7	3.3	1.1							9.0	10.4
WNW	1.1	1.2	3.5	5.7	2.5	.2						14.3	11.8
NW	1.6	1.1	3.2	4.9	.8	.2						11.8	10.4
NNW	1.5	1.9	2.3	2.0	.5							8.2	8.3
VARBL													
CALM												13.7	
	13.6	21.4	22.1	21.8	6.6	.8						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 912



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14773

WESTOVER AFB MA

70,73-81

JAN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1500-1700

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	3.2	3.6	1.8	.5							11.3	7.4
NNE	.9	.8	.2	.1	.1							2.1	5.3
NE	.7	.3	.1									1.1	3.7
ENE	.4	.4	.2	.1								1.2	4.7
E	.3	.2		.1								.7	5.3
ESE													
SE	.1	.2										.3	4.0
SSE	.7	.4	.2	.3								1.6	5.5
S	1.2	3.1	2.7	.7	.1							7.8	6.5
SSW	1.4	2.1	1.4	1.1	.3	.1						6.5	7.5
SW	.7	1.6	.7	.7	.1							3.7	6.7
WSW	.4	1.0	.8	1.1	.2	.1						3.6	9.4
W	.8	1.4	2.3	3.4	.5							8.5	9.8
WNW	.8	1.9	4.7	7.1	1.2	.3						16.0	11.0
NW	1.4	1.6	4.1	5.2	1.0	.1						13.4	10.1
NNW	2.4	1.5	3.3	1.3	.4							9.0	7.4
VARBL													
CALM												13.1	
	14.4	19.9	24.4	23.0	4.6	.7						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 910



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14703

WESTOVER AFB MA

70,73-81

JAN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLASS

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.5	3.2	1.8	.4							10.6	7.1
NNE	.7	.7	.2		.2							1.8	5.9
NE	.7	.4	.1									1.2	3.7
ENE	.8	.7				.1						1.5	4.7
E	.2	.2			.1	.1						.7	9.2
ESE													
SE	.1	.1	.1									.3	4.3
SSE	1.3	.2	.2	.1								1.9	4.1
S	1.1	1.4	2.2	1.0	.1							5.8	7.5
SSW	1.0	1.3	1.3	.4	.2	.1						4.4	7.3
SW	.4	2.1	.9	.4	.2							4.1	7.1
WSW	.3	1.6	1.0	.5								3.5	7.2
W	1.0	2.3	2.7	1.5	.2	.1						7.9	7.7
WNW	1.0	4.1	5.4	3.6	1.0	.1						15.1	9.2
NW	1.2	2.4	4.5	3.0	.3	.2						11.6	9.0
NNW	1.6	3.0	2.0	.8	.3							7.7	6.6
VARBL													
CALM												21.8	
	14.2	23.1	23.8	13.2	3.2	.8						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

911



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

USE WITH CAUTION  
SEE FIRST PAGE

14703

WESTOVER AFB MA

70,73-81

JAN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

2100-2300

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	4.2	2.5	1.0	.5							10.7	6.6
NNE	.8	.8	.8	.1								2.5	5.5
NE	.9	.3										1.2	2.2
ENE	1.2	.1			.1	.1						1.6	5.9
E	.5	.7										1.2	3.7
ESE	.4	.1										.5	2.8
SE	.3	.1										.4	2.7
SSE	1.0	.5										1.6	3.0
S	1.4	2.5	2.2	.3	.1							6.5	6.0
SSW	.9	.9	1.7	.1	.5							4.2	7.7
SW	.1	1.7	.8	.4	.3							3.3	7.8
WSW	.7	1.2	.7									2.5	5.3
W	1.3	2.1	2.1	.9	.5							6.9	7.6
WNW	.7	3.0	2.9	3.8	.9	.1						11.4	10.2
NW	1.4	1.7	3.1	2.0	.9	.4	.3					9.8	10.1
NNW	1.2	2.5	1.4	.5	.1							5.7	6.4
VARBL													
CALM												30.2	
	15.3	22.3	18.1	9.1	4.0	.7	.3					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

766



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFD WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1473  
STATION

WESTOVER AFB MA  
STATION NAME

70,73-81  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	4.3	3.3	1.7	.4							12.4	6.9
NNE	.8	.9	.5	.3	.1							2.5	6.0
NE	.7	.4	.2	.0								1.4	4.1
ENE	.5	.4	.1	.0	.0	.0						1.1	4.7
E	.4	.2	.1	.0	.0	.0						.8	5.1
ESE	.1	.1										.2	3.2
SE	.3	.1	.0									.4	2.8
SSE	.8	.4	.1	.1	.0							1.5	4.2
S	1.1	2.2	1.9	.5	.1	.0	.0					5.9	6.8
SSW	1.0	1.6	1.8	.7	.2	.0						5.3	7.4
SW	.6	1.7	1.0	.5	.2	.0						4.0	7.1
WSW	.3	1.1	.6	.4	.2	.0						2.6	8.2
W	.9	1.6	2.2	2.0	.5	.0						7.2	8.9
WNW	.7	1.9	3.4	4.4	1.2	.2						11.9	10.8
NW	1.4	1.7	3.5	3.2	.7	.2	.1					10.6	9.7
NNW	1.5	2.0	2.0	.9	.3							6.7	7.1
VARBL													
CALM												25.4	
	13.8	20.6	20.9	14.7	3.8	.6	.1					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

6105



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

70, 73-76, 78  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	6.4	1.4	3.1	.8	.3						15.7	7.2
NNE	1.7	2.2	.8	.3								5.0	5.2
NE	.6	.3										.8	3.0
ENE	1.1	.3										1.4	3.0
E	.3	1.1										1.4	4.0
ESE	.6											.6	1.5
SE		.6										.6	4.0
SSE	1.1											1.1	2.3
S	2.5	3.6	2.2	1.1								9.5	6.1
SSW	.6	1.7	1.7	.6								4.5	6.8
SW	.8	2.0	.6	.6								3.9	5.9
WSW		.6		.6								1.1	8.5
W		1.4	.8	.3	.6							3.1	8.3
WNW	.3	2.0	1.1	3.4	.3							7.0	10.2
NW	1.7	2.8	2.0	1.7	.6							8.7	7.9
NNW	.3	2.0	3.4	2.0								7.6	8.9
VARBL													
CALM												28.0	
	15.1	26.9	14.0	13.4	2.2	.3						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 357



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

USE WITH CAUTION  
SEE FIRST PAGE

1473  
STATION

WESTOVER AFB MA  
STATION NAME

70, 73-76, 78  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	4.8	5.6	1.7	1.1	.3						17.1	7.4
NNE	1.7	.8	.8									3.4	3.7
NE	1.7	.3	.3									2.2	3.4
ENE	.6	.3	.3									1.1	4.3
E	.3		.3									.6	5.0
ESE		.3										.3	4.0
SE	.6											.6	2.5
SSE	.8											.8	2.3
S	1.1	3.9	2.2	.3								7.6	5.7
SSW	.6	1.7	1.1									3.4	5.8
SW	1.4	1.1		.6								3.1	5.2
WSW		.3		.8	.3							1.4	12.8
W		1.7	.6	.6	.6							3.4	9.7
WNW	.3	.3	2.2	.8	.3	.3						4.2	10.3
NW	1.4	1.1	2.8	2.2	.3							7.8	8.5
NNW	.6	.3	2.0	3.4								6.2	10.1
VARBL													
CALM												37.0	
	14.6	16.8	18.2	10.4	2.5	.6						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 357



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

70,73-81  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	5.1	5.1	2.5	.6	.1						17.2	7.1
NNE	1.3	1.9	.1	.1								3.5	4.2
NE	1.3	1.0	.3	.1								2.8	4.5
ENE	.6		.6									1.2	5.4
E	.6	.3										.9	3.0
ESE													
SE	.3	.3										.6	3.5
SSE	.4	.4		.3								1.2	6.0
S	2.3	3.1	1.9	.6	.3							8.2	6.0
SSW	.9	1.2	.7	.1								2.9	5.8
SW	.3	.6	.3	.4	.1							1.8	7.8
WSW	.1	.7	.6	.3								1.8	6.8
W	.7	.6	1.3	1.2	.3	.1						4.3	9.7
WNW	.3	1.6	2.2	1.6	.9	.1						6.8	10.7
NW	.7	1.3	3.2	1.5	.1	.3	.1					7.3	9.4
NNW	1.0	1.6	1.2	1.0								4.8	7.0
VARBL													
CALM												34.8	
	14.7	19.8	17.6	9.8	2.3	.7	.1					100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 681



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

70,73-81  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	6.5	6.6	3.8	.7	.2						19.2	8.3
NNE	1.2	1.2	1.4	1.1								4.9	7.1
NE	.7	.8	.1	.1								1.8	4.7
ENE	.6	.2	.2	.1								1.2	4.9
E		.5	.2									.7	5.5
ESE	.4	.2	.2									.8	4.7
SE		.1										.1	6.0
SSE	.5	.2		.1	.1							.9	6.9
S	1.8	2.3	2.7	1.8	.6							9.1	7.8
SSW	1.8	1.1	1.9	1.5			.1					6.4	7.6
SW	1.2	1.4	1.2	.6								4.4	6.3
WSW	.7	.8	.4	.4	.1							2.4	6.2
W	.8	.5	1.8	1.8	.6		.1					5.6	10.5
WNW	.6	1.1	2.6	5.0	1.2	.4						10.8	11.8
NW	.9	1.4	3.6	3.3	.2	.2						9.7	9.6
NNW	1.1	1.8	1.3	1.5								5.7	7.2
VARBL													
CALM												16.3	
	13.5	20.2	24.3	21.1	3.6	.8	.2					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 843



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

70, 73-81  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	4.6	6.3	2.7	.8	.2						16.4	8.2
NNE	.8	.6	1.3	.4	.5							3.6	8.0
NE	.4	.1	.2	.2								.9	6.8
ENE	.2	.9	.5	.1								1.8	6.0
E	.2	.6	.7									1.5	5.8
ESE	.2	.2	.2									.7	4.5
SE		.1		.1								.2	8.0
SSE	.6	.4		.1	.1							1.2	5.8
S	1.3	1.8	3.0	4.3	.4	.4						11.0	10.0
SSW	1.2	1.2	1.8	2.3		.2						6.6	8.7
SW	1.3	1.1	1.1	.5	.2							4.2	6.9
WSW	1.1	1.1	.7	.5	.2							3.6	6.7
W	1.1	.7	2.3	2.0	.7	.5	.1					7.4	11.3
WNW	.8	1.1	2.4	5.5	2.8	.2	.1					12.9	12.5
NW	1.1	1.1	3.1	7.1	1.4	.6						14.4	11.8
NNW	.6	1.3	2.5	1.9	.1							6.4	9.1
VARBL													
CALM												7.2	
	12.6	16.8	26.0	27.6	7.4	2.1	.2					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

843



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

70,73-81  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	4.3	4.0	1.7	.8							11.5	8.3
NNE	.4	.9	.2	.4	.1	.2						2.3	9.2
NE	.6	.8	.1									1.5	4.1
ENE	.1	.8	.9	.4								2.3	7.7
E	.1	.7	.8									1.7	6.8
ESE	.1		.1									.2	5.5
SE			.2									.2	8.0
SSE	.5	.7	.7	.2								2.1	6.6
S	.8	2.8	4.6	2.8	.5	.2						11.9	8.9
SSW	1.1	1.2	1.8	1.8	.5							6.3	9.0
SW	.8	.9	1.2	.2	.2							3.4	7.1
WSW	.2	.7	.9	.5		.1						2.5	8.0
W	.5	1.2	2.0	1.5	.6	.2						6.0	10.1
WNW	.4	1.3	2.7	8.1	1.5	.5	.1					14.6	12.6
NW	.7	1.9	5.0	6.8	1.3	.1						15.8	10.9
NNW	.7	.7	4.0	3.3	.2							9.0	9.7
VARBL													
CALM												8.7	
	7.7	19.1	29.5	27.6	5.8	1.4	.1					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

843



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

70,73-81  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	3.8	3.1	1.3	.5							10.7	7.0
NNE	.7	.5	.1		.1	.2						1.7	7.7
NE	.6	.8	.2	.1								1.8	4.9
ENE	.1	1.1	.4	.1								1.7	5.9
E	.4	.4	.7	.1								1.5	6.6
ESE	.2	.4	.1	.1								.8	5.6
SE	.6	.5	.1									1.2	3.6
SSE	.8	1.3	.5									2.6	4.5
S	1.5	3.1	3.6	1.9	.5	.1						10.7	7.9
SSW	.6	1.4	1.7	1.3	.2							5.2	8.5
SW	.2	.5	.4	.4								1.4	7.9
WSW	.2	.5	.2			.1						1.1	7.1
W	1.0	2.0	.7	1.4								5.1	7.5
WNW	1.0	3.6	5.5	4.9	.8							15.7	9.4
NW	1.5	2.9	5.0	4.4	.6							14.4	9.0
NNW	1.0	2.1	3.0	1.5	.1							7.7	7.5
VARBL													
CALM												16.6	
	12.5	24.7	25.2	17.6	2.9	.5						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 841



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

70,73-81  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	4.0	2.8	1.5	.6							10.1	7.7
NNE	1.3	.7	.7	.1								3.0	5.2
NE	.7	.4	.1									1.3	3.9
ENE	1.3	.9	.3	.1								2.7	4.3
E	.3	1.0	.4									1.8	5.0
ESE	.3	.4										.7	3.4
SE	.7	.6										1.3	3.2
SSE	1.3	1.3	.3									3.0	3.8
S	1.8	2.4	2.4	.9	.3							7.7	7.0
SSW	.7	1.6	1.3	1.0	.1							4.9	7.6
SW	.4	.4	.6	.3								1.8	6.8
WSW	.4	.6	.3	.1	.1							1.6	7.5
W	1.0	.9	.9	.7	.1							3.7	7.4
WNW	.7	4.1	4.4	2.5	.7							12.6	8.6
NW	1.8	3.0	4.7	1.8	.9	.4						12.6	8.9
NNW	1.5	2.4	2.2	1.3								7.4	7.1
VARBL													
CALM												24.0	
	15.7	24.9	21.6	10.5	3.0	.4						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

676



2 GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1473  
STATION

WESTOVER AFB MA

STATION NAME

70, 73-81

YEARS

FEB

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	4.9	4.6	2.3	.7	.1						14.5	7.8
NNE	1.0	1.0	.7	.3	.1	.1						3.3	6.5
NE	.8	.6	.2	.1								1.7	4.5
ENE	.5	.6	.4	.1								1.7	5.6
E	.3	.6	.5	.0								1.3	5.6
ESE	.2	.2	.1	.0								.6	4.5
SE	.3	.3	.1	.0								.6	4.1
SSE	.7	.6	.2	.1	.0							1.7	5.0
S	1.6	2.7	3.0	1.9	.4	.1						9.7	7.9
SSW	1.0	1.3	1.5	1.2	.1	.0	.0					5.3	8.0
SW	.8	.9	.7	.4	.1							3.0	6.7
WSW	.4	.7	.5	.3	.1	.0						2.1	7.3
W	.7	1.1	1.4	1.3	.4	.1	.0					5.1	9.7
WNW	.6	1.9	3.1	4.4	1.2	.2	.0					11.5	11.0
NW	1.2	1.9	3.9	4.0	.7	.2	.0					12.0	9.9
NNW	.9	1.6	2.4	1.9	.1							6.9	8.3
VARBL													
CALM												19.2	
	12.9	21.0	23.3	18.7	4.0	1.0	.1					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

5441



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

USE WITH CAUTION  
SEE FIRST PAGE

14 703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-75  
YEARS

MAR  
MONTH  
0000-0200  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	3.9	1.7	2.4	.4							10.8	7.2
NNE	1.7	2.2	2.4	.9	.6							7.7	7.6
NE	1.1	.9	.2									2.2	3.8
ENE	.4	.9	.4									1.7	4.5
E	.6											.6	2.3
ESE	.4	.4										.9	3.5
SE	.4	.4	.2	.2								1.3	6.2
SSE	.6	.4										1.1	3.0
S	1.7	2.8	1.7	.4								6.7	5.2
SSW	.9	.4	.6		.2							2.2	6.3
SW	.6	.2	.2	.4								1.5	7.0
WSW	.2	.4										.6	4.0
W	.4	.9	1.5	.9	.2							3.9	8.2
WNW	.4	1.9	4.7	2.2		.4						9.7	9.7
NW	.6	2.2	3.4	1.7	.2							8.2	8.2
NNW	2.4	2.8	4.9	1.7	.4							12.3	7.5
VARBL													
CALM												28.8	
	15.1	20.6	22.2	10.8	2.2	.4						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 465



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-75  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.1	4.5	1.7	1.9	.6							12.9	6.6
NNE	.2	2.8	1.5	.2	.6							5.4	7.8
NE	.9	1.5	1.3	.6								4.3	6.6
ENE	.2	1.1	.4									1.7	4.9
E	.2	.4	.4									1.1	5.6
ESE	.2	.2										.4	4.0
SE	.2											.2	2.0
SSE	1.3	1.3	.2									2.8	3.8
S	1.9	1.5	.9	.4								4.7	4.9
SSW	.9	.9	.6	.4								2.8	5.7
SW	.2	.6		.6								1.5	7.6
WSW	.6	.2										.9	3.3
W		1.9	.6	.6								3.2	6.9
WNW	.6	2.4	2.6	3.7								9.2	9.2
NW	1.5	1.9	2.4	1.7								7.5	7.8
NNW	.6	2.6	3.4	1.9	.2							8.8	8.2
VARBL													
CALM												32.5	
	13.8	23.9	16.1	12.3	1.5							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 465



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA

STATION NAME

69-70,73-80

YEARS

MAR

MONTH

ALL WEATHER

CLASS

0600-0800

HOURLY (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	4.6	4.6	1.7	.8							13.5	7.8
NNE	.8	2.2	1.5	.4	.4							5.3	7.3
NE	.6	.4	.1	.5								1.7	6.5
ENE	.9	.8	.5									2.2	4.6
E	.3	.8	.8									1.8	5.9
ESE	.6		.1									.8	3.2
SE	.4		.4									.8	5.7
SSE	.5	.4		.1								1.0	4.5
S	1.5	1.4	2.2	1.2								6.3	7.1
SSW	.9	1.4	.5	.4	.1							3.3	6.3
SW	.4	.4	.4	.3								1.4	6.5
WSW	.3	1.3	.6									2.2	5.6
W	.3	.8	1.7	.4	.1							3.2	8.2
WNW	.3	1.0	4.2	2.8	1.4	.4	.1					10.3	11.3
NW	.4	2.4	2.8	2.7	.9	.1	.1					9.5	10.0
NNW	.9	1.5	2.2	1.5	.1							6.3	8.1
VARBL													
CALM												30.4	
	10.8	19.4	22.8	12.0	3.9	.5	.3					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

777



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

MAP  
NORTH  
0900-1100  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	4.4	6.1	2.6	1.0							16.7	7.9
NNE	.6	1.0	1.6	.8	.5	.1						4.6	9.2
NE	.2	1.2	.6	.8	.1							2.9	8.3
ENE	.9	1.0	.8	.1								2.7	5.1
E	.4	1.4	.6									2.5	5.3
ESE		.4	.1									.5	6.0
SE	.4	1.1	.1	.1								1.7	5.3
SSE	.2	1.0		.3								1.5	6.1
S	1.1	1.7	2.8	1.7	.2	.2						7.7	8.5
SSW	1.0	1.9	1.5	1.7	.1							6.2	7.9
SW	1.2	1.7	1.0	.3	.1							4.3	5.9
WSW	.8	.8	.4	.2								2.2	5.8
W	.3	.9	1.7	2.0	.2							5.2	9.9
WNW	.2	1.8	2.8	5.7	1.4	.5	.1					12.6	12.2
NW	.4	1.7	1.7	5.5	1.2	.2						10.8	12.0
NNW	.8	1.3	1.7	3.0								6.8	9.3
VARBL													
CALM												11.2	
	11.1	23.2	23.7	24.8	4.8	1.1	.1					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14703

WESTOVER AFB MA

69-70,73-80

MAR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1200-1400

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	3.2	5.5	2.6	.2	.1						12.5	8.5
NNE	1.0	.3	1.0	.3	.5							3.1	8.6
NE	.2	1.3	.4	.5	.4							2.9	9.0
ENE	.5	.9	1.0	.3								2.7	6.7
E	.4	.9	1.2	.1								2.6	6.4
ESE	.4	.3	.4	.1								1.3	5.9
SE	.3	.8	.4	.3								1.8	6.5
SSE	.5	.5	.1	.5	.1	.1						1.9	8.3
S	1.3	1.8	2.4	3.4	.8	.1						9.8	9.5
SSW	.5	1.4	2.9	1.5	.8							7.1	9.6
SW	.6	1.6	1.3	1.0	.1							4.6	7.5
WSW	.8	.5	.6	.8								2.7	7.4
W	1.0	1.1	2.0	2.3		.1						6.5	8.8
WNW	.6	1.5	1.8	7.5	2.0	.5						14.1	12.7
NW	.8	.9	1.8	6.8	3.1	.5	.3					14.2	13.8
NNW	.6	1.3	2.0	2.8	.6							7.4	10.2
VARBL													
CALM												4.8	
	10.5	18.3	24.9	30.9	8.7	1.5	.3					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

930



1  
2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AT- WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14713  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

MAR  
MONTH  
1500-1700  
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.8	2.2	2.9	.5							10.4	8.2
NNE	.3	.5	1.5	.4	.2							3.0	8.3
NE	.2	.5	1.2	.6								2.6	8.0
ENE	.6	.6	.6	.5								2.5	7.0
E	.5	1.4	.6									2.6	5.3
ESE	.6	.1	.4									1.2	5.1
SE	.2	.4		.3	.2							1.2	9.3
SSE	.6	.9	.9	.8	.2							3.3	8.1
S	.6	2.3	4.1	4.3	1.5							12.8	10.3
SSW	.5	1.9	1.3	1.9								5.7	8.8
SW	.5	.5	.6	.1								1.8	5.5
WSW	.2	.8	.8	.2								1.9	6.8
W	.4	1.2	3.2	2.5	.4	.2						8.0	9.8
WNW	.3	.9	2.5	6.9	2.8	.9						14.2	13.4
NW	.1	1.3	4.3	7.6	2.4	.9	.1					16.7	12.9
NNW	1.0	1.2	1.4	3.5	.6							7.7	10.2
VARBL													
CALM												4.4	
	9.0	17.3	25.6	32.7	8.9	1.9	.1					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1473  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.6	2.5	1.8	.3	.1						9.4	7.5
NNE	.1	1.4	1.5	.6								3.7	8.0
NE	1.3	.4	1.0									2.7	5.1
ENE	.9	1.7	.4	.2		.2						2.7	6.6
E	.5	1.2	1.3	.3								3.3	6.8
ESE	.3	.5	.3	.1								1.3	5.8
SE	.2	.8	.4	.2	.1							1.7	7.1
SSE	.4	1.3	.9	.2								2.8	6.1
S	1.4	3.9	4.1	3.3	.4							13.1	8.2
SSW	.8	1.7	.8	.3								3.5	6.1
SW	.2	1.0	.2									1.4	4.7
WSW	.2	1.2	.1	.1								1.6	5.1
W	1.3	.6	1.0	.4	.2							3.5	6.6
WNW	.4	2.4	3.1	6.9	1.5							14.3	11.2
NW	1.4	2.8	4.7	4.6	1.7	.2	.1					15.6	10.4
NNW	.6	1.6	2.4	1.3	.4							6.3	8.7
VARBL													
CALM												13.0	
	12.2	24.3	24.6	20.5	4.7	.5	.1					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

WITH CAUTION  
ALL FIRST PAGE

14773  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

MAP  
MONTH  
2100-2300  
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.5	2.6	1.2	.4							9.3	7.0
NNE	.6	1.9	1.7	.8	.3							5.3	7.7
NE	.8	1.3	1.2	.1		.1						3.5	6.2
ENE	.6	.8	.3	.1	.1	.1						2.1	6.8
E	.6	.5	.5	.1								1.8	5.8
ESE	.5	.5										1.0	3.6
SE	.4	.3	.1	.4	.1							1.3	8.9
SSE	1.4	1.5	.6	.3	.1							4.0	5.3
S	1.8	3.7	4.3	1.0	.1							11.0	6.8
SSW	.9	.9	1.2	.1								3.0	5.5
SW	.4	.3	.1	.1	.1							1.0	7.3
WSW	.1	.3	.3	.1								.8	7.5
W	.4	.6	1.3	.5	.1							3.0	8.4
WNW	.5	1.3	3.1	3.0	.5	.1						8.5	10.2
NW	.8	3.5	4.8	4.4	1.5	.3						15.2	9.9
NNW	.6	1.8	2.5	1.7	.5							7.1	9.1
VARBL													
CALM												22.2	
	12.3	22.7	24.3	13.9	4.0	.6						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 775



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	3.6	3.6	2.2	.5	.0						12.0	7.7
NNE	.6	1.4	1.5	.5	.4	.0						4.5	8.1
NE	.6	.9	.8	.4	.1	.0						2.8	7.0
ENE	.7	.9	.6	.2	.0	.0						2.4	6.0
E	.5	.9	.8	.1								2.2	5.9
ESE	.4	.3	.2	.0								1.0	5.0
SE	.3	.5	.2	.2	.1							1.3	6.9
SSE	.7	.9	.4	.3	.1	.0						2.4	6.2
S	1.4	2.4	3.0	2.3	.5	.0						9.5	8.3
SSW	.8	1.4	1.3	.9	.2							4.5	7.8
SW	.5	.9	.5	.3	.0							2.4	6.5
WSW	.4	.7	.4	.2								1.7	6.2
W	.6	1.0	1.7	1.3	.2	.0						4.8	8.8
WNW	.4	1.6	3.0	5.2	1.4	.4	.0					12.0	11.7
NW	.7	2.0	3.3	4.8	1.6	.3	.1					12.9	11.3
NNW	.9	1.6	2.3	2.3	.4							7.5	9.0
VARBL													
CALM												16.2	
	11.5	21.1	23.6	21.3	5.3	.9	.1					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

6202



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-75  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	4.4	3.6	1.3								10.4	6.6
NNE	1.1	1.6	1.6	.4								4.7	6.5
NE	1.3	.2	.4	.2								2.2	4.4
ENE	1.1	.4	.7									2.2	5.1
E	.9	.2										1.1	2.4
ESE	.4											.4	1.5
SE	.4		.2									.7	4.3
SSE	1.1	.2	.7									2.0	4.6
S	2.9	5.3	2.2	.4	.2							11.1	5.4
SSW	1.6	2.0	2.2	1.3								7.1	6.6
SW	.9	.2	.4									1.6	4.3
WSW	.2	.7		.4	.2							1.6	8.6
W	.7	1.3	1.6									3.6	5.6
WNW	.2	3.3	2.0	1.6	.9							8.0	9.0
NW	.9	2.4	2.4	1.8								7.6	7.8
NNW	.9	2.2	1.1	.4								4.7	6.2
VARBL													
CALM												31.1	
	15.8	24.7	19.1	8.0	1.3							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 450



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

USE WITH CAUTION  
SEE FIRST PAGE

14703

WESTOVER AFB MA

69-70,73-75

APR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

0300-0500

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	3.3	2.2	.4								8.4	5.4
NNE	1.1	.7	.4	.7								2.9	6.0
NE	1.3	1.8	1.3	.7								5.1	6.0
ENE	.7	.7	.9									2.2	5.9
E	.9	1.1										2.0	3.9
ESE	.4	.2										.7	2.7
SE	.7	.2										.9	2.5
SSE	1.3	.4										1.8	2.5
S	4.0	2.2	2.7	1.3								10.2	5.8
SSW	.7	2.0	1.6	.4								4.7	6.6
SW	.2	.4	.2									.9	5.5
WSW	.4	.9										1.3	4.2
W	.4	.7	1.1	.4		.2						2.9	8.9
WNW	.9	1.6	1.1	1.8	.7							6.0	9.3
NW	.9	1.1	1.1	2.0								5.1	8.7
NNW	1.6	.9	2.4	.7								5.6	6.7
VARBL													
CALM												39.3	
	18.0	18.2	15.1	8.4	.7	.2						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

450



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

APR  
MONTH  
0600-0800  
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	4.3	2.9	.5	.1							10.8	5.7
NNE	1.7	1.8	1.0	.5								5.1	5.7
NE	.8	1.6	.8	.7								3.8	6.6
ENE	.9	1.3	.7	.3								3.1	5.7
E	1.2	1.0	.5									2.7	4.4
ESE	.1	.3	.3									.7	5.6
SE	.8	.3										1.0	2.8
SSE	.3	.4	.3									.9	5.1
S	2.0	2.3	2.2	1.4								7.9	6.6
SSW	1.6	2.9	1.6	.5								6.5	5.9
SW	.7	.9	.4	.1	.1							2.2	5.6
WSW	.3	1.3	.1	.1								1.8	5.5
W	.7	2.2	1.0	1.0	.1							5.1	7.4
WNW	.7	2.3	1.4	1.6	.5							6.5	8.8
NW	.7	1.8	2.9	1.7	.7							7.7	8.9
NNW	1.2	1.4	2.7	.9	.3							6.5	7.7
VARBL													
CALM												27.6	
	16.3	26.2	18.7	9.4	1.8							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 768



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

APR  
MONTH  
0900-1100  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	4.1	5.8	2.9	.3							14.3	8.0
NNE	1.4	2.7	1.9	.4	.1							6.6	6.2
NE	.6	1.6	1.7	.3								4.1	6.5
ENE	.6	1.1	1.1	.4	.1							3.3	6.9
E	1.0	.8	.8	.1								2.7	5.3
ESE	.8	.8	.3	.2								2.1	5.4
SE	.6		.7	.2								1.4	6.5
SSE	.6	.3	.2									1.1	4.5
S	1.4	1.8	3.0	1.2								7.5	6.9
SSW	.9	2.2	3.9	2.0	.1							9.1	8.3
SW	1.1	1.6	1.1	.9								4.7	6.6
WSW	1.1	1.3	.2	.3	.1							3.1	5.5
W	.8	.9	1.7	2.1	.2							5.7	9.4
WNW	1.0	1.3	2.2	3.3	1.0	.1	.1					9.1	10.9
NW	.4	1.4	2.6	4.2	1.4	.2						10.3	11.7
NNW	.6	1.0	3.6	3.0	.2							8.3	9.6
VARBL													
CALM												6.5	
	14.0	22.9	30.7	21.8	3.7	.3	.1					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 899



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

14773  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.9	5.2	3.0	.6							11.8	9.2
NNE	.4	.8	1.3	1.1								3.7	8.6
NE	.7	1.7	1.4	.6								4.3	6.7
ENE	.2	1.8	.8	.1								2.9	5.8
E	1.0	1.3	.3	.1								2.8	4.5
ESE	.1	.2	.6	.1								1.0	7.1
SE		.6	.8	.1								1.4	7.4
SSE	.1	.6	.3									1.0	6.2
S	1.2	1.6	2.4	4.3	.1							9.7	9.3
SSW	.6	1.6	3.0	3.7	.7							9.4	10.2
SW	.4	1.1	1.3	1.1								4.0	8.5
WSW	.9	1.2	.6		.2							2.9	5.8
W	1.3	.9	2.3	3.2	.2							8.0	9.5
WNW	.4	1.0	1.9	5.8	1.9	.7						11.7	13.0
NW	.6	1.7	3.4	5.0	1.4	.2	.1	.1				12.6	11.7
NNW	.7	1.3	3.1	3.3	.1							8.6	9.5
VARBL													
CALM												4.3	
	9.8	19.1	28.9	31.6	5.2	.9	.1	.1				100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

APR  
MONTH  
1500-1700  
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.9	3.6	3.3	.2							10.2	8.8
NNE	.4	1.0	1.7	1.0								4.1	8.1
NE	1.3	1.1	2.0	.4								4.9	6.4
ENE	.3	1.1	1.2	.2								2.9	6.8
E	.7	.7	.4									1.8	4.8
ESE	.6	.2	.7	.3	.1							1.9	7.3
SE	.1	.8	.3									1.2	5.8
SSE	.7	.3	.8	.1								1.9	6.0
S		1.4	2.6	4.6	.9	.1						9.6	11.7
SSW	.8	1.3	2.6	5.0	.7							10.3	10.6
SW	.4	1.7	.9	.3	.2							3.6	7.2
WSW	.1	.2	1.0	.6	.1							2.0	8.9
W	.6	1.1	2.0	1.1	.7	.1						5.6	9.7
WNW	.6	.7	3.4	5.9	1.8	.2						12.6	12.1
NW	.1	1.2	4.2	6.8	2.1	.4						14.9	12.6
NNW	.8	.8	3.4	2.7	.6							8.2	9.8
VARBL													
CALM												4.4	
	8.7	15.6	30.8	32.3	7.3	.9						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 900



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14703

STATION

WESTOVER AFB MA

STATION NAME

69-70,73-80

YEARS

APR

MONTH

ALL WEATHER

CLASS

1800-2000

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.3	3.8	1.8	.1							10.4	7.1
NNE	1.3	1.0	1.1	.1								3.6	5.3
NE	1.4	1.0	2.1	.3								4.9	6.1
ENE	.9	.6	.4									1.9	4.4
E	.6	.8	1.0	.2								2.6	6.3
ESE	.2	.4	.3	.4								1.4	7.9
SE	.3	.4	.6	.3								1.7	7.1
SSE	.2	.9	.7	.2								2.0	6.8
S	1.1	3.1	5.0	4.1	.3							13.7	8.9
SSW	.7	1.4	3.7	2.3	.4							8.6	9.3
SW	.6	.8	.6									2.9	5.6
WSW		1.0	.1	.6	.2							1.9	9.4
W	.8	1.2	1.1	.2								3.3	6.0
WNW	.1	2.0	3.0	3.7	.7	.2						9.7	10.5
NW	1.1	3.7	3.7	4.0	.4							12.9	8.9
NNW	1.2	3.6	2.7	1.4								8.9	6.9
VARBL													
CALM												10.8	
	13.0	24.2	29.8	19.8	2.2	.2						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

900



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	3.0	3.6	.4	.1							9.6	5.8
NNE	1.1	1.6	1.5	.1								4.4	5.4
NE	1.2	.7	1.1	.3								3.3	5.7
ENE	1.1	.4	.3									1.8	3.6
E	.3	1.0	.3	.1								1.6	6.2
ESE	.8	.4	.3									1.5	3.7
SE	.3	.3	.1									.7	3.8
SSE	1.6	2.2	.7									4.5	4.4
S	2.5	6.8	5.7	1.2	.1							16.4	6.5
SSW	.8	1.6	2.2	1.2								5.9	7.3
SW	.1	.8	.5	.3								1.8	7.3
WSW	.3	.3	.3									.8	5.5
W	.5	2.1	1.0	.3		.3						4.1	7.0
WNW	.3	1.6	3.1	1.5	.3							6.8	8.9
NW	1.2	4.8	2.6	2.5	.3							11.4	7.4
NNW	1.2	2.1	1.8	1.0	.1							6.2	6.9
VARBL													
CALM												19.3	
	15.0	29.7	25.0	8.9	1.0	.3						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

731



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	3.0	4.0	1.9	.2							11.0	7.4
NNE	1.1	1.4	1.4	.6	.0							4.4	6.5
NE	1.1	1.2	1.5	.4								4.2	6.2
ENE	.7	1.0	.8	.2	.0							2.6	5.8
E	.9	.9	.5	.1								2.3	5.0
ESE	.4	.4	.4	.2	.0							1.3	6.0
SE	.4	.4	.4	.1								1.2	5.8
SSE	.7	.7	.5	.1								1.9	5.1
S	1.6	2.9	3.3	2.6	.2	.0						10.7	7.9
SSW	.9	1.9	2.7	2.3	.3							8.1	8.7
SW	.6	1.0	.8	.4	.1							2.8	6.8
WSW	.4	.9	.3	.3	.1							2.0	6.7
W	.8	1.3	1.5	1.2	.2	.1						5.0	8.4
WNW	.5	1.6	2.4	3.4	1.0	.2	.0					9.2	10.9
NW	.7	2.3	3.0	3.8	.9	.1	.0	.0				10.9	10.3
NNW	1.0	1.7	2.8	1.9	.2							7.5	8.3
VARBL													
CALM												15.1	
	13.4	22.5	26.0	19.3	3.3	.4	.0	.0				100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 5998



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

SEE FIRST PAGE  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-75,79  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.1	1.7									6.0	4.9
NNE	2.4	.6	.4									3.4	3.1
NE	1.9	.9	.4									3.2	3.4
ENE	1.1	.6	.4									2.1	4.5
E	1.9	1.1	.6									3.6	4.2
ESE	.6	.2	.2									1.1	4.2
SE	1.1	.2	.2									1.5	2.9
SSE	1.9	1.5										3.4	3.3
S	8.1	6.2	3.6	1.7								19.7	5.2
SSW	1.1	3.4	.9	.4								5.8	5.4
SW	.4	.6	.4									1.5	5.0
WSW		.4										.4	4.5
W	.4	.4	.6									1.5	6.1
WNW	.2	1.7	.6									2.6	5.6
NW	.9	1.1	1.5	.2								3.6	6.4
NNW	.6	1.5	1.1									3.2	5.6
VARBL													
CALM												37.3	
	24.8	22.7	12.8	2.4								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

467



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

USE WITH CAUTION  
SEE FIRST PAGE

14713  
STATION

WESTOVER AFB MA

STATION NAME

69-70, 73-75, 78

YEARS

MAY

MONTH

ALL WEATHER

CLASS

0300-0500

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	3.6	1.7									7.7	5.0
NNE	2.6	1.7	.4	.2								4.9	4.0
NE	3.0	.9										3.9	2.7
ENE	.2	1.1										1.3	4.3
E	1.1	.2	.2									1.5	3.3
ESE	.6	.4	.2									1.3	3.7
SE	.9	.4										1.3	2.5
SSE	1.7	1.3	.6									3.6	4.0
S	3.2	4.5	2.6	.9								11.2	5.6
SSW	1.7	1.3	1.1	.6								4.7	6.0
SW	.6	1.5										2.1	4.4
WSW	.6	.2	.4									1.3	4.3
W	.4	1.9										2.4	4.3
WNW	.6	.9	.2									1.7	4.9
NW	.9	.4	.4	.4								2.1	6.7
NNW	.6	1.1	.6									2.4	4.8
VARBL													
CALM												46.6	
	21.2	21.5	8.6	2.1								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS

466



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14703  
STATION

WESTOVER AFB MA

STATION NAME

69-70,73-80

YEARS

MAY  
MONTH

ALL WEATHER

CLASS

3600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	4.1	2.9	1.0								11.0	5.7
NNE	1.7	1.8	1.3	.4								5.3	5.5
NE	1.1	.6	1.0									2.7	5.1
ENE	1.2	1.0	.3	.1								2.6	4.3
E	1.4	.5	1.0	.3								3.2	5.6
ESE	.9	.4		.1								1.4	3.7
SE	1.0		.1									1.1	2.8
SSE	1.4	1.1		.1								2.6	3.5
S	2.8	4.2	2.7	1.2	.1							11.0	5.9
SSW	2.1	3.5	2.1	.8								8.3	5.9
SW	1.2	1.2	.5	.1								3.0	4.8
WSW	.8	.8	.6									2.2	5.0
W	.3	1.8	.3	.1								2.6	5.4
WNW	.3	1.1	1.0	.6								3.0	7.1
NW	1.3	1.5	1.0	1.1	.1	.1						5.1	7.6
NNW	1.3	.9	.6	.3								3.1	5.6
VARBL													
CALM												31.7	
	21.7	24.5	15.5	6.3	.2	.1						100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

925



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

# SURFACE WIND

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14703 WESTOVER AFB MA 69-70, 73-80  
STATION STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%
N	1.7	2.6	3.4	1.3	.3							9.4
NNE	1.4	2.2	2.3	.5								6.3
NE	1.2	2.0	1.5	.2								4.6
ENE	.6	1.1	1.0									2.6
E	1.4	1.1	.4	.2								3.1
ESE	.9	.2	.1	.2								1.4
SE	.3	.3	.3	.2								1.2
SSE	1.0	1.0	.5	.1								2.6
S	2.7	3.9	3.9	2.7	.4							12.6
SSW	1.4	4.1	3.9	2.2	.1							11.6
SW	2.2	2.8	1.1	.1								6.1
WSW	1.1	1.3	.8	.1								3.2
W	2.6	1.9	1.6	.6								6.8
WNW	1.2	.9	2.4	1.5	.3							6.2
NW	1.3	1.3	1.9	2.2	.1							7.3
NNW	1.3	1.8	1.8	.9	.1							5.6
VARBL												
CALM												8.4
	21.5	28.8	26.9	13.0	1.4							100.0

TOTAL NUMBER OF OBSERVATIONS



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

147.3  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.4	2.6	1.8	.5							8.6	8.3
NNE	.8	.9	.5	1.0								3.1	7.6
NE	1.1	2.2	.9	.1								4.2	5.1
ENE	.5	1.5	1.2	.3								3.5	6.5
E	.0	1.3	.5	.3	.1							3.1	5.9
ESE	.3	.9	.2		.1							1.9	5.0
SE	.3	.2	.2	.1								1.4	5.5
SSE	.2	1.4	1.0	.3								2.9	7.4
S	1.6	2.9	4.8	3.8	.9							14.0	9.0
SSW	1.4	3.1	4.8	3.0	.8							13.1	8.5
SW	.6	2.5	2.2	1.3	.1	.1						6.8	8.1
WSW	.9	1.5	1.4	.1								3.9	5.9
W	1.7	1.6	2.7	1.5	.3							7.8	7.8
WNW	1.0	1.2	2.8	2.8	.2	.2						8.2	9.8
NW	.5	1.2	2.9	3.3	.4	.1						8.5	10.1
NNW	.8	1.2	1.7	1.0	.2	.1						4.9	6.2
VARBL													
CALM												4.0	
	14.3	26.3	30.4	20.8	3.7	.5						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1473 WESTOVER AFB MA STATION NAME YEARS 69-70, 73-80 MONTH MAY  
CLASS ALL WEATHER  
CONDITION 1500-1700 HOURS (LST)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	1.7	2.4	2.4	2.7	.5							9.2	3.8
NNE	1.7	1.5	.6	.1								3.4	4.9
NE	.4	1.5	.6	.2								2.9	5.9
ENE	.9	1.1	1.0	.1								2.9	5.6
E	1.7	1.7	.5	.1								3.1	4.5
ESE	.7	.4	.2	.2								1.2	6.5
SE	.2	.7	.3	.2								2.3	5.0
SSE	.4	.6	1.0	.9								2.9	8.3
S	.5	2.3	5.8	6.6	1.5							16.7	10.6
SSW	.6	2.3	4.5	2.3	.4							10.3	8.8
SW	.5	1.6	1.9	1.3	.1							5.6	8.0
WSW	.6	1.7	1.7	.8								4.7	7.3
W	.1	1.4	2.6	2.2								7.2	8.3
WNW	.1	1.5	3.4	2.6	.8		.1					8.6	10.5
NW	.5	1.5	4.1	2.0	.3	.3						8.7	9.7
NNW	.9	2.3	1.6	.9	.1							5.7	7.4
VARBL													
CALM												4.5	
	11.7	24.2	32.4	23.0	3.8	.3	.1					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14773  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

MAY  
MONTH  
1800-2000  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	2.8	2.8	1.6	1.3								8.5	5.9
NNE	1.5	.8	.4	.2								2.9	4.4
NE	1.4	1.1	1.1	.1								3.5	5.1
ENE	.5	.8	.6	.1	.1							2.2	6.0
E	.5	1.3	.6	.1								2.6	5.7
ESE	.6	.4	.2									1.3	4.2
SE	1.1	.9	.2									2.2	4.0
SSE	1.7	.5	1.1	.6	.1							3.3	6.7
S	1.9	6.1	10.0	6.0	.3	.1						24.5	8.5
SSW	.9	3.5	4.5	2.5								11.4	8.0
SW	.7	1.6	.4	.2								2.5	6.3
WSW	.1	.4	.5									1.1	6.2
W	.3	1.2	1.5	.3								3.3	7.1
WNW	.4	2.4	3.0	1.3	.3							7.4	8.3
NW	1.4	2.4	3.5	1.6	.1							9.0	7.3
NNW	1.6	1.2	.8	.8	.1							4.4	6.4
VARBL													
CALM												9.9	
	16.3	27.2	30.2	15.2	1.1	.1						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

WITH CAUTION  
SEE FIRST PAGE

14713  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

MAY  
MONTH  
2100-2300  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	2.4	1.6	.2								7.1	4.9
NNE	1.3	1.6	.5	.2								3.5	4.7
NE	1.1	.8	.5									2.4	4.4
ENE	.2	.8	.3	.2								1.4	5.9
E	.2	1.4	.6									2.2	5.9
ESE	.8	1.1	.2									2.1	3.8
SE	1.1	1.0	.3									2.4	4.1
SSE	2.9	1.4	.8									5.1	3.7
S	4.5	11.4	8.5	1.6								26.0	6.2
SSW	1.3	3.7	2.2	.8								8.0	6.2
SW	.6	.6	.2									1.4	4.1
WSW		.3	.2									.5	6.3
W	.3	1.7	.3	.2								1.3	5.4
WNW	1.2	1.4	1.6									4.0	6.0
NW	1.9	2.6	1.8	.3	.2							6.7	5.7
NNW	1.4	1.6	1.0									4.0	4.6
VARBL													
CALM												21.2	
	21.5	33.2	20.5	3.4	.2							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 623



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1.703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.8	2.4	1.2	.2							8.7	6.7
NNE	1.5	1.4	.9	.4								4.1	5.4
NE	1.3	1.3	.8	.1								3.5	5.0
ENE	.7	1.	.7	.1	.0							2.5	5.6
E	1.1	1.0	.6	.2	.0							2.9	5.2
ESE	.7	.5	.2	.1	.0							1.5	4.6
SE	.8	.6	.2	.1	.0							1.7	4.3
SSE	1.2	1.	.7	.3	.0							3.2	5.4
S	2.6	4.9	5.4	3.4	.5	.0						16.8	7.7
SSW	1.3	3.2	3.3	1.8	.2							9.8	7.5
SW	.9	1.7	1.0	.5	.0	.0						4.0	6.4
WSW	.5	.9	.8	.1								2.4	5.9
W	1.0	1.5	1.4	.7	.0							4.6	6.9
WNW	.6	1.4	2.1	1.3	.2	.0	.0					5.7	6.7
NW	1.1	1.6	2.3	1.6	.2	.1						6.9	6.2
NNW	1.1	1.5	1.2	.6	.1	.0						4.4	6.7
VARB													
CALM												17.2	
	18.4	26.3	24.0	12.4	1.5	.2	.0					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

6201



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

USE WITH CAUTION  
SEE FIRST PAGE

1473  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-75,80  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	1.3	.7									5.3	3.5
NNE	.9	1.1	.4									2.4	4.9
NE	1.1	.7	.2									2.0	3.8
ENE	.9	.4	.2	.2								1.8	4.6
E	1.1	1.1										2.2	3.4
ESE	1.1	.9										2.0	3.2
SE	1.1	.4										1.6	2.6
SSE	4.5	1.1	.4									5.5	3.0
S	9.5	9.8	2.7	.7								22.6	4.3
SSW	2.4	4.4	1.1									6.0	4.5
SW	.4	.7										1.1	3.8
WSW													
W	.4	.7										1.1	3.4
WNW	.2	.4	.7									1.3	5.7
NW		.4	.4									.9	7.3
NNW	.9	.2										1.1	2.6
VARBL													
CALM												41.0	
	27.5	23.7	6.9	.9								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 451



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

USE WITH CAUTION  
SEE FIRST PAGE

14 003  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-75  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KMTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	3.3	.7									6.2	4.1
NNE	.9	1.8	.2									2.9	4.3
NE	1.1	.9	.4									2.4	3.9
ENE	1.1	.7										1.8	3.0
E	1.3	.4										1.8	2.4
ESE	.7	.4	.7									1.8	4.6
SE	1.0	.7	.2									2.9	3.2
SSE	2.9	.7	.2									3.8	2.9
S	7.6	5.6	3.1	.4								16.7	4.4
SSW	4.7	1.6	.7									6.2	3.4
SW	.4	.2										.7	3.3
WSW	.2	.2										.4	3.0
W	.4											.4	2.0
WNW	.2		.4									.7	7.3
NW	.2	.2	.4									.9	5.0
NNW	.7	.2										.9	2.3
VARBL													
CALM												49.6	
	26.0	18.9	7.1	.4								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 450



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

JUN  
MONTH  
0600-0800  
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.2	2.8	2.0	1.2								10.2	5.7
NNE	1.3	1.1	.9	.1								3.4	5.3
NE	.9	.4	.1									1.4	3.3
ENE	.8	.2										1.0	2.9
E	1.7	.6										2.2	2.9
ESE	.6	.2	.1									.9	3.4
SE	.8	.4	.1									1.3	3.4
SSE	2.6	1.1	.3									3.9	3.3
S	5.9	8.2	3.7	.8								18.6	5.0
SSW	3.2	2.8	2.7	.2								8.9	5.2
SW	1.6	1.4	.2	.1								3.3	4.0
WSW	1.1	.4	.2	.1								1.8	4.1
W	.3	.7	.4	.4								1.9	7.6
WNW	.4	.3	1.4	.8								3.0	8.1
NW	.7	1.3	.9	.2								3.1	6.0
NNW	.7	1.3	.2	.1								2.3	4.6
VARBL													
CALM												32.6	
	26.6	23.4	13.3	4.1								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 899



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14703  
STATION

WESTOVER AFB MA

STATION NAME

69-70,73-80

YEARS

JUN

MONTH

ALL WEATHER

CLASS

0900-1100

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	2.9	3.3	2.3	1.4	.3							10.3	6.6
NNE	1.8	1.7	1.1	.8								5.3	6.2
NE	1.6	.7	.7	.2								3.1	4.9
ENE	1.1	.7	.2									2.0	3.4
E	1.1	.3	.3									1.8	3.5
ESE	1.2	.6										1.8	2.9
SE	1.0	.6										1.6	2.7
SSE	1.6	.8	1.0	.1	.1							3.6	5.3
S	3.7	5.6	5.2	1.4								15.9	6.2
SSW	3.4	4.0	4.8	2.1								14.3	6.6
SW	1.4	2.8	1.6	.6								6.3	5.9
WSW	2.0	1.9	1.4	.1								5.4	5.1
W	1.0	1.9	1.6	.8								5.1	6.7
WNW	.7	1.0	2.1	1.4	.1							5.3	8.5
NW	.9	1.0	1.7	1.6								5.1	8.1
NNW	1.2	.8	1.7	.7								4.3	6.8
VARBL													
CALM												8.7	
	26.6	27.3	25.7	11.2	.6							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

900



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14723  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.9	3.4	1.7	.2							9.6	7.6
NNE	.4	.9	.4	.7								2.4	7.7
NE	.3	.7	.7	.1								1.8	6.2
ENE	.2	1.7	.9									2.1	6.0
E	1.1	1.1	1.1	.1								3.4	5.1
ESE	.6	.9	.2									1.7	4.2
SE	.2	.8	.2									1.2	5.1
SSE	.3	1.0	1.0	.1								2.4	6.4
S	3.0	4.2	6.7	4.2	.1							18.2	7.8
SSW	1.8	3.9	5.8	4.4	.2							16.1	8.3
SW	.8	2.6	3.4	2.1								8.9	7.8
WSW	1.1	1.9	2.0	.8								5.8	6.6
W	.8	1.7	3.3	1.1								6.9	7.8
WNW	.6	.4	2.2	1.4	.2							4.9	9.6
NW	.7	1.2	2.8	2.7	.1							7.4	9.1
NNW	.7	1.0	1.9	1.1								4.7	7.6
VAR: L													
CALM												2.4	
	13.9	26.1	36.1	20.6	.9							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 900



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.1	2.4	1.4								8.1	6.5
NNE	.6	1.3	1.2	.1								3.2	6.3
NE	.6	.6	.2									1.3	4.3
ENE	.2	.6	.8	.2								1.8	6.7
E	.4	1.0	1.1	.1								2.7	6.3
ESE	.9	.9	.3									2.0	4.0
SE	.8	.8	.4									2.0	4.6
SSE	.7	1.1	1.2	.1								3.1	5.9
S	1.1	3.8	9.3	5.6	.1							19.8	8.9
SSW	.9	3.8	6.7	4.8	.2							16.3	8.9
SW	.4	1.4	2.7	1.4	.2							6.2	8.6
WSW	.6	1.7	2.3	.8								4.7	7.6
W	.3	1.3	4.1	.9								6.7	8.0
WNW	.2	1.1	2.0	2.0	.2							5.6	9.5
NW	.6	1.9	3.9	2.0	.1							8.4	8.4
NNW	.8	.9	2.1	1.2								5.0	8.1
VARBL													
CALM												3.1	
	10.9	23.6	40.9	20.7	.9							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1473  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

JUN  
MONTH  
1800-2000  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.9	1.2	1.1	.1							6.2	6.4
NNE	1.3	1.1	.8	.1								3.3	4.9
NE	1.2	.8	.2									2.2	3.7
ENE	.7	.7	.2									1.1	4.0
E	.7	1.6	.2									2.4	4.6
ESE	1.1	.9	.4									2.4	4.5
SE	1.7	1.2	.1									2.3	3.8
SSE	.7	1.3	1.0	.3								3.3	6.0
S	2.4	7.7	17.4	3.8								24.3	7.5
SSW	1.1	4.3	6.0	3.1								14.6	7.8
SW	.4	1.3	1.7	.3								3.8	6.7
WSW	.6	1.7	1.0	.6								3.8	6.6
W	.9	2.6	1.6	.2								5.2	5.3
WNW	1.4	2.2	1.4	.8	.1	.1						6.1	6.8
NW	.9	1.7	1.9	1.0								5.4	6.9
NNW	1.4	1.2	.8	.9								4.3	6.2
VARBL													
CALM												9.0	
	17.8	31.7	29.0	12.2	.2	.1						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WIND

SEE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

JUN  
MONTH  
2100-2300  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEA WIN SPEED
N	2.7	2.3	1.3	1.2								7.5	5.
NNE	1.2	.5	.3	.2								2.2	4.
NE	1.7	.8	.2									2.7	3.
ENE	1.8	1.1	.2									3.0	3.
E	.8	.5	.3									1.7	3.
ESE	.5	.5	.2									1.2	3.
SE	1.3	.3										1.7	2.
SSE	1.7	3.8	.3									5.8	4.
S	7.0	14.3	9.0	.8								31.0	5.
SSW	2.3	2.5	1.8	.5								7.1	5.
SW	.8	1.0										1.8	3.
WSW	.3	.3	.2									.8	3.
W	.5	1.3										1.8	3.
WNW	.2	.8	.5	.5	.2							2.2	8.
NW	.5	1.0	.7	.2								2.3	6.
NNW	1.2	.7	.3			.2						2.3	5.
VARBL													
CALM												25.0	
	24.4	31.7	15.3	3.3	.2	.2						100.0	3.

TOTAL NUMBER OF OBSERVATIONS 60



AD-A110 237

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
WESTOVER AFB, CHICOPEE FALLS, MASSACHUSETTS REVISED UNIFORM SUM--ETC(U)  
OCT 81

UNCLASSIFIED

USAFETAC/DS-81/091

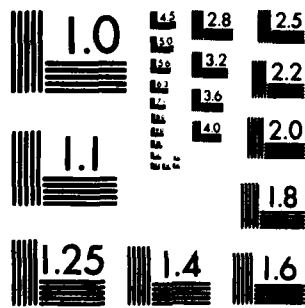
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10237



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS 1963 A.



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14703

WESTOVER AFB MA

69-70, 73-80

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.5	1.9	1.1	.1							8.3	6.2
NNE	1.1	1.2	.7	.3								3.3	5.7
NE	1.0	.7	.3	.0								2.1	4.3
ENE	.8	.6	.3	.0								1.8	4.4
E	1.0	.8	.4	.0								2.3	4.4
ESE	.8	.7	.2									1.7	3.9
SE	.9	.7	.1									1.8	3.6
SSE	1.5	1.3	.8	.1	.0							3.7	4.7
S	4.4	7.0	6.6	2.5	.0							20.6	6.5
SSW	2.3	3.5	4.2	2.2	.1							12.3	7.2
SW	.8	1.6	1.4	.7	.0							4.6	6.8
WSW	.8	1.1	1.1	.3								3.3	6.2
W	.6	1.4	1.6	.5								4.2	6.9
WNW	.5	.9	1.5	1.0	.1	.0						4.1	8.4
NW	.6	1.2	1.8	1.1	.0							4.8	7.8
NNW	.9	.9	1.0	.6		.0						3.5	6.7
VARBL													
CALM												17.7	
	20.8	26.0	24.3	10.7	.4	.0						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

6003



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA

STATION NAME

69-70,73-75,78

YEARS

JUL

MONTH

ALL WEATHER

CLASS

0000-0200

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	1.3	.6									4.7	3.7
NNE	.6		.2									.9	3.3
NE	1.1											1.1	2.2
ENE	1.3											1.3	2.0
E	1.1											1.1	2.0
ESE	.9											.9	2.0
SE	.9	.6	.2									1.7	3.5
SSE	3.2	.4	1.1									4.7	3.7
S	5.8	9.0	3.9	.4								19.1	4.8
SSW	1.7	4.3	1.9	.2								8.2	5.3
SW	1.3	.4										1.7	2.9
WSW	.2	.4	.2									.9	5.5
W	.4		.4									.9	4.5
WNW													
NW		.2										.2	4.0
NNW	.4	1.1										1.5	4.4
VARBL													
CALM												51.3	
	21.7	17.8	8.6	.6								100.0	2.1

TOTAL NUMBER OF OBSERVATIONS

466



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-75  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

EXTENSION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	1.7	.2	.2								5.2	3.6
NNE	1.1	.2										1.3	2.3
NE	.2	.4										.6	3.3
ENE	.6	.2										.9	2.8
E	.6											.6	2.3
ESE	1.3											1.3	2.0
SE	1.3											1.3	2.2
SSE	2.4	.6	.9									3.9	3.9
S	6.2	7.7	2.6									16.6	4.3
SSW	2.4	3.0	1.7									7.1	4.7
SW	.4	.9	.4									1.7	5.0
WSW	.6	.6	.4									1.7	4.8
W	1.1	.2	.2									1.5	3.1
WNW													
NW		.4		.2								.6	8.3
NNW	.9	.6										1.5	3.7
VARBL													
CALM												54.2	
	22.2	16.8	6.5	.4								100.0	1.8

TOTAL NUMBER OF OBSERVATIONS 465



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	3.5	2.0	.3								9.8	4.8
NNE	1.8	1.3	.8	.2								4.1	4.5
NE	.6	.6	.1									1.4	3.6
ENE	.5	.4										1.0	2.9
E	.3	.5	.3									1.2	4.7
ESE	1.0	.1										1.1	2.6
SE	1.4	.4										1.8	2.8
SSE	1.8	.8	.4									3.0	3.5
S	4.5	8.4	2.3	.2								15.4	4.6
SSW	2.5	3.8	2.2	.3								8.7	5.2
SW	1.6	1.4	.9	.1								4.0	4.8
WSW	.3	1.0	.3									1.6	4.8
W	.9	.8	.4	.1								2.2	4.8
WNW	.5	.5										1.1	3.6
NW	1.1	.8	.3	.4								2.6	5.6
NNW	1.6	.9	.4									2.9	4.1
VARBL													
CALM												38.3	
	24.4	25.2	10.4	1.7								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14 703

WESTOVER AFB MA

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

0900-1100

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	5.5	4.3	1.7								14.2	6.4
NNE	1.6	2.3	.9	.1	.1							4.9	5.2
NE	1.3	1.0	.3									2.6	4.1
ENE	.6	.8	.2									1.6	4.1
E	1.3	.9										2.2	3.3
ESE	.6	.2										.9	3.0
SE	.8	.3										1.1	2.5
SSE	.9	1.0	.6									2.5	4.7
S	2.2	5.3	3.9	.6								11.9	6.1
SSW	2.2	5.4	4.9	1.6								14.1	6.6
SW	2.2	3.1	3.7	.1								9.0	5.7
WSW	1.2	1.7	1.0	.3								4.2	5.7
W	2.0	2.5	.8	.2								5.5	4.6
WNW	1.4	1.9	1.4	.4								5.2	5.6
NW	1.0	1.8	2.2	.6								5.6	6.9
NNW	1.3	2.2	1.7	.5								5.7	6.2
VARBL													
CALM												8.9	
	23.1	35.7	25.8	6.3	.1							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

930



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

14703

WESTOVER AFB MA

69-70, 73-80

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1200-1400

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	3.7	4.1	1.4								11.0	6.9
NNE	1.9	1.7	1.5	.1								5.3	5.0
NE	.6	.9	.2	.2								1.9	5.1
ENE	1.1	.6	.1									1.8	3.9
E	.8	1.1	.3									2.2	4.2
ESE	1.0		.1									1.1	2.5
SE	.4	.2	.9									1.5	6.4
SSE	.4	1.2	.9	.2								2.7	6.4
S	1.2	4.1	5.8	2.2	.1							13.3	7.7
SSW	1.2	3.7	4.9	3.3								13.1	8.0
SW	.3	2.4	4.3	1.9								8.9	8.2
WSW	.5	2.2	2.3	.4								5.4	6.8
W	.6	2.7	2.9	1.2	.1							7.5	7.7
WNW	.8	1.3	2.5	1.5	.1							6.1	8.4
NW	1.1	2.0	3.4	1.7	.2							8.5	8.0
NNW	1.3	2.3	2.3	.5								6.3	6.4
VARBL													
CALM												3.3	
	15.1	29.9	36.5	14.7	.5							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

930



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

JUL  
MONTH  
1500-1700  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	3.0	2.9	1.2								9.1	6.2
NNE	1.0	1.1	.9	.5								3.4	6.1
NE	.5	1.0										1.5	3.9
ENE	.4	.4	.2									1.1	4.3
E	1.6	.8	.4									2.8	3.7
ESE	.5	.6	.1									1.3	4.3
SE	.2	.5										.8	4.0
SSE	.8	1.2	1.2	.2								3.3	6.3
S	1.3	4.5	6.6	2.7	.1							15.2	7.9
SSW	.5	3.8	6.1	3.7	.1							14.2	8.5
SW	.4	1.9	3.3	2.7								8.4	8.8
WSW	.5	1.6	3.0	1.3								6.5	8.2
W	1.3	2.0	3.1	.9	.3							7.6	7.5
WNW	.4	1.3	2.9	.9	.2							5.7	8.0
NW	1.3	2.6	5.3	1.1								10.2	7.2
NNW	.8	1.8	1.9	1.4								5.9	7.5
VARBL													
CALM												2.9	
	13.7	28.2	38.0	16.5	.8							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 929



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14 703

WESTOVER AFB MA

69-70, 73-80

JUL

STATION

STATION NAME

YEARS

MONTHS

ALL WEATHER

1800-2000

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	3.3	1.8	.4	.1							8.0	5.4
NNE	.8	.4	.2									1.4	3.6
NE	1.1	.1										1.2	2.4
ENE	.4	.4										.9	3.3
E	.9	.2										1.1	2.6
ESE	.9	.4	.1									1.4	3.5
SE	1.0	.6	.3									1.9	3.7
SSE	1.5	1.1	1.1	.1								3.8	4.9
S	1.7	7.8	9.4	2.2								21.1	7.1
SSW	1.1	3.2	5.2	1.3								10.8	7.3
SW	.8	1.1	2.2	.6	.1							4.7	7.3
WSW	.9	1.4	1.5									3.8	5.9
W	1.2	2.6	1.3	.2								5.3	5.4
WNW	.9	2.9	1.8	.5								6.1	6.2
NW	2.6	1.8	1.0	.2								5.6	4.5
NNW	1.4	1.9	1.0	.2								4.5	5.3
VARBL													
CALM												18.6	
	19.1	29.5	26.8	5.8	.2							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

930



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

JUL  
MONTH  
2100-2300  
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.8	.8									4.3	4.1
NNE	.5		.2									.6	4.0
NE	.8	.6										1.4	3.1
ENE	1.0	.2										1.1	2.3
E	1.0	.5										1.4	2.9
ESE	.8											.8	1.6
SE	1.4	1.0										2.4	2.9
SSE	3.1	2.3	.6									5.9	3.9
S	5.3	10.9	6.4	.6								23.3	5.2
SSW	1.6	3.9	2.3	.2								7.9	5.7
SW	.6	1.0	.2	.2								1.9	4.9
WSW	.3	.6	.3	.2								1.4	6.1
W	.8	1.1	.3									2.3	4.1
WNW	1.0	.5	.5	.2								2.1	5.2
NW	.2	1.0	.6	.2								1.9	6.6
NNW	1.0	1.3	.2									2.4	4.2
VARBL													
CALM												38.6	
	21.1	26.5	12.4	1.4								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 622



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14703

WESTOVER AFB MA

69-70, 73-80

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	3.3	2.4	.8	.0							9.0	5.7
NNE	1.2	1.0	.7	.1	.0							3.1	4.9
NE	.8	.6	.1	.0								1.6	3.8
ENE	.7	.4	.1									1.2	3.5
E	1.0	.6	.2									1.7	3.5
ESE	.8	.2	.0									1.1	2.9
SE	.9	.5	.2									1.5	3.6
SSE	1.5	1.1	.8	.1								3.5	4.7
S	3.1	6.9	5.3	1.3	.0							16.5	6.2
SSW	1.6	3.9	4.0	1.6	.0							11.1	6.9
SW	1.0	1.7	2.2	.8	.0							5.7	7.0
WSW	.6	1.3	1.3	.3								3.5	6.6
W	1.1	1.7	1.4	.4	.1							4.6	6.2
WNW	.7	1.2	1.3	.5	.0							3.8	6.8
NW	1.1	1.5	1.9	.6	.0							5.7	6.8
NNW	1.1	1.6	1.1	.4								4.3	5.9
VARBL													
CALM												22.6	
	19.7	27.5	23.0	7.0	.2							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

6202



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

USE WITH CAUTION  
SEE FIRST PAGE

10703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-75,80  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	.9	1.1									4.3	4.2
NNE	1.3		.6									1.9	4.7
NE	1.1		.2									1.3	2.8
ENE	1.1	.9										1.9	3.1
E	.9	.4	.2									1.5	3.7
ESE	.2											.2	2.0
SE	.6	.2										.9	2.5
SSE	1.3	.4										1.7	2.6
S	6.8	7.5	1.1									15.4	3.7
SSW	.9	1.3	1.1									3.2	5.1
SW	.6	.2	.6	.6								2.1	7.9
WSW	.2	.4	.2									.9	5.0
W	.2											.2	2.0
WNW	.2	.2										.4	4.0
NW	.4	.2	.2									.9	5.0
NNW	.6	.9	.2									1.7	3.5
VARBL													
CALM												61.5	
	18.8	13.5	5.6	.6								100.0	1.6

TOTAL NUMBER OF OBSERVATIONS

468



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-75, 79-80  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	1.1	1.3									5.1	4.4
NNE	2.1	.2	.2									2.6	2.7
NE	.9	.4										1.3	2.3
ENE	1.1											1.1	2.0
E	.6											.6	1.7
ESE													
SE	.2		.2									.4	5.0
SSE	1.1	.2										1.3	2.8
S	3.6	3.0	.2									6.9	3.5
SSW	.9	3.2	1.1	.2								5.4	5.7
SW	.9	.4	.2									1.5	3.9
WSW	.2	1.1										1.3	4.8
W													
WNW	.2	.2										.4	4.5
NW	.2	.6	.2									1.1	4.4
NNW	.6	.4										1.1	3.2
VARBL													
CALM												70.0	
	15.4	10.9	3.4	.2								100.0	1.2

TOTAL NUMBER OF OBSERVATIONS 467



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1473  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.3	3.2	2.3	.5								11.3	4.8
NNE	2.6	.5	.4	.1								3.7	3.4
NE	1.1	.3	.2									1.6	3.1
ENE	.9	.2	.2									1.3	3.5
E	.9	.3										1.2	2.6
ESE	.1											.1	2.0
SE	.5	.1										.6	2.8
SSE	1.2	.5	.1									1.8	3.5
S	3.0	4.1	3.1	.4								10.7	5.3
SSW	1.9	1.6	1.8	.2								5.6	5.2
SW	.8	1.4	.6									2.8	4.9
WSW	.4	.3	.3	.1	.1							1.3	6.6
W	.6	.4	.6		.1							1.8	5.8
WNW	.4	.2	.3	.4								1.4	7.2
NW	.8	.8	.5	.3								2.4	5.5
NNW	.6	1.0										1.6	4.1
VARBL													
CALM												50.8	
	21.1	15.1	10.7	2.2	.2							100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

928



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

AUG  
MONTH  
0900-1100  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.5	6.2	3.4	.8								15.9	5.2
NNE	2.8	2.7	2.2									7.6	4.7
NE	1.8	1.0	.8	.2								3.8	4.9
ENE	.6	.6	.2									1.5	4.1
E	1.1	.4	.4									1.9	4.1
ESE	.3	.3	.1									.8	3.7
SE	.3	.1										.4	2.8
SSE	1.0	.3	.2									1.5	3.9
S	2.4	2.5	4.1	.9								9.8	6.3
SSW	2.3	3.8	3.0	.9								9.9	6.1
SW	2.4	2.0	1.8	.3								6.6	5.3
WSW	1.9	1.2	.9	.2								4.2	4.7
W	2.4	1.5	1.1	.4		.2						5.6	5.8
WNW	1.5	1.3	1.1	.9	.1							4.8	6.6
NW	2.3	2.2	1.4	.5								6.3	5.4
NNW	1.4	1.6	.6	.1								3.8	4.7
VARBL													
CALM												15.6	
	29.9	27.7	21.3	5.2	.1	.2						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 930



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	5.5	3.9	.6								13.7	5.6
NNE	1.6	1.7	.8	.5								4.6	5.3
NE	1.3	.9	.8	.2								3.1	5.2
ENE	.5	.9	.9									2.3	5.1
E	.6	1.1	.2									1.9	4.3
ESE		.8	.4	.1								1.3	6.6
SE	.4	.4		.1								1.0	4.0
SSE	1.1	1.0	.3	.1								2.5	4.7
S	.9	3.2	4.3	1.7								10.1	7.4
SSW	1.7	3.7	3.6	1.7	.1							10.8	7.1
SW	1.3	3.4	3.0	1.4								9.1	7.0
WSW	.9	1.8	1.8	.9								5.4	6.9
W	1.5	3.4	3.4	1.1	.1							9.6	6.8
WNW	1.3	1.4	2.3	.9								5.8	6.9
NW	1.4	1.6	2.9	1.3	.1							7.3	7.6
NNW	1.1	1.8	2.7	.8								6.4	7.0
VARBL													
CALM												5.2	
	19.3	32.6	31.2	11.4	.3							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

929



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

AUG  
MONTH  
1500-1700  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	4.2	2.6	1.4								11.5	5.8
NNE	.9	1.9	1.2	.3								4.3	5.7
NE	.4	.9	.8	.1								2.2	6.3
ENE	.9	1.1	.3									2.3	4.3
E	1.0	1.1	.4									2.5	4.7
ESE	1.1	1.0	.5									2.6	4.6
SE	.6	.5	.2									1.4	4.1
SSE	.4	.9	.6									1.9	4.9
S	1.6	4.7	4.3	2.0	.1							12.8	7.2
SSW	.2	1.9	5.2	2.3								9.6	8.7
SW	.3	1.8	2.5	1.7								6.4	8.4
WSW	.4	2.3	3.0	.5	.1							6.4	7.3
W	.3	2.3	4.4	.5	.1							7.6	7.4
WNW	.5	1.9	2.8	1.1								6.4	7.9
NW	.9	3.3	3.0	1.0								8.2	6.9
NNW	1.3	2.8	3.1	.9								7.8	6.8
VARBL													
CALM												6.4	
	13.9	32.6	35.0	11.8	.3							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 929



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

AUG  
MONTH  
1800-2000  
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	2.3	1.9	.4	.1							8.7	4.9
NNE	.9	.4	.9	.4								2.6	6.8
NE	1.2	.4	.5									2.2	4.4
ENE	1.1	.5	.2									1.8	3.8
E	1.8	.5	.2									2.6	3.1
ESE	.8	.3	.1									1.2	3.0
SE	.9	1.2										2.0	3.3
SSE	1.6	1.9	.3									3.9	4.1
S	2.7	8.4	4.8	.9								16.8	5.9
SSW	1.4	3.1	4.0	.5	.1							9.1	6.8
SW	.4	2.3	1.2	.2								4.1	5.9
WSW	.5	1.2	1.1	.1								2.9	6.0
W	.5	1.8	.2	.1								2.7	4.7
WNW	1.3	1.7	.9	.2								4.1	5.1
NW	2.8	2.0	1.2	.2								6.2	4.6
NNW	2.2	1.8	.8									4.7	4.2
VARBL													
CALM												24.4	
	24.0	30.0	18.3	3.1	.2							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 930



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

USE WITH CAUTION  
SEE FIRST PAGE

14703

WESTOVER AFB MA

69-70, 73-80

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

2100-2300

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	1.9	1.8	.2								7.0	4.5
NNE	1.0	.8	.3									2.1	3.9
NE	1.9		.6									2.5	3.8
ENE	1.4		.5									1.9	3.3
E	1.4	.2	.3									1.9	3.2
ESE	1.0	.3										1.3	2.4
SE	.6	.3										1.0	3.2
SSE	3.2	.8										4.0	2.6
S	5.9	8.7	3.3	.3								17.5	4.8
SSW	1.3	3.0	1.8									6.1	5.2
SW	.3	.8	.5									1.6	5.4
WSW	.3	.5	.2									1.0	5.0
W	.5	.3	.2									1.0	4.0
WNW	.5	.8	.2	.2								1.6	4.9
NW	1.1	.8	.8	.2								2.9	5.3
NNW	1.1	.5	.5	.2								2.2	4.9
VARBL													
CALM												44.6	
	24.7	18.9	10.8	1.0								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

628



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14 703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	3.5	2.5	.6	.0							10.6	5.2
NNE	1.7	1.2	.9	.2								4.0	4.9
NE	1.2	.5	.5	.1								2.4	4.6
ENE	.9	.6	.3									1.8	4.0
E	1.1	.6	.2									1.9	3.7
ESE	.5	.4	.2	.0								1.0	4.2
SE	.5	.4	.0	.0								1.0	3.5
SSE	1.3	.8	.2	.0								2.4	3.8
S	3.0	5.0	3.5	.9	.0							12.4	5.8
SSW	1.4	2.8	3.0	.9	.0							8.0	6.7
SW	.9	1.8	1.5	.6								4.8	6.5
WSW	.7	1.2	1.1	.3	.0							3.3	6.3
W	.9	1.4	1.5	.3	.0	.0						4.2	6.4
WNW	.8	1.1	1.1	.5	.0							3.6	6.7
NW	1.4	1.6	1.5	.5	.0							5.0	6.1
NNW	1.1	1.5	1.1	.3								4.1	5.6
VARBL													
CALM												29.7	
	21.3	24.4	19.2	5.2	.2	.0						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 6209



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-75,80  
YEARS

SEP  
MONTH

ALL WEATHER

CLAMP

CONDITION

0000-0200  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.4	2.2	1.6	.2								7.3	4.4
NNE	.6	1.4	.2									2.2	4.6
NE	1.4	.2	.2									1.8	3.2
ENE	.4	.2	.2									.8	4.3
E	.4			.2								.6	5.7
ESE	.2		.2		.2							.6	9.3
SE	1.2	.2										1.4	2.9
SSE	1.2	.6										1.8	2.7
S	3.6	4.5	1.4	.6	.2							10.3	5.1
SSW	.8	1.0	1.2	.4								3.4	6.4
SW	.2	.6	.2									1.0	5.2
WSW	.4	.4										.8	3.3
W	.2	1.6	.2									2.0	5.1
WNW	.6	.8	.2	.4								2.0	5.7
NW	.4	.6	.4									1.4	5.6
NNW	1.0	1.0	.2									2.2	4.1
VARBL													
CALM												60.7	
	15.8	15.2	6.1	1.8	.4							100.0	1.9

TOTAL NUMBER OF OBSERVATIONS 507



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-75, 80  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.0	3.0	2.4	.2								8.5	4.9
NNE	1.0	1.0	.2									2.2	3.8
NE	1.0	.2	.4									1.6	3.5
NNE	.4		.4									.8	5.8
E	.4											.4	2.0
ESE	.2											.2	2.0
SE	.4		.2									.6	3.3
SSE	.4	.2										.6	3.7
S	3.5	3.1	1.2	.6								8.5	4.9
SSW	1.6	.8	1.2									3.5	4.8
SW	.4	.2	.2									.8	3.8
WSW	.4											.4	2.0
W		1.0	.6									1.6	6.3
WNW	1.0	.4	.4	.4								2.2	5.8
NW	.6	.8	.6	.2	.2							2.4	6.6
NNW	.8	1.4	.2									2.4	4.4
VARBL													
CALM												63.6	
	15.0	12.0	7.9	1.4	.2							100.0	1.8

TOTAL NUMBER OF OBSERVATIONS 508



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14703  
STATION

WESTOVER AFB MA

STATION NAME

69-70, 73-80

YEARS

SEP

MONTH

ALL WEATHER

CLASS

0600-0800

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.4	5.8	2.4	.3								13.0	4.7
NNE	2.1	1.1	.3	.1								3.7	3.8
NE	1.6	.7	.2									2.4	3.5
ENE	1.1	.2		.1								1.4	3.2
E	.2	.2	.3									.8	5.1
ESE	.4	.1	.1	.1								.8	4.9
SE	.9	.3										1.2	3.5
SSE	.7	.2		.3								1.2	6.0
S	3.7	3.9	1.0	.2	.2							9.0	4.5
SSW	1.4	1.7	1.2	.4								4.8	5.9
SW	1.0	.6	.4									2.0	4.4
WSW	.4	.4	.1									1.0	3.9
W	.6	.6	.6	.3								2.0	6.8
WNW	.3	.8	.7	.1								1.9	5.9
NW	.4	.3	.7	.3								1.8	7.0
NNW	1.0	.9	.8	.2	.1							3.0	6.1
VARBL													
CALM												50.0	
	20.3	17.8	8.9	2.7	.3							100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14703

WESTOVER AFB MA

69-70, 73-80

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLAS

0900-1100

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	5.7	4.4	1.0								15.0	5.7
NNE	.8	2.7	1.7	.3								5.4	5.8
NE	1.1	1.0	.2									2.3	4.2
ENE	.9	1.1	.3									2.3	4.5
E	1.2	.4	.2									1.9	3.4
ESE	.8											.8	1.7
SE	.6	.4	.2									1.2	4.5
SSE	.6	.7	.1	.1	.1							1.6	5.9
S	2.7	4.2	2.3	.9	.2							10.3	5.9
SSW	1.7	3.7	4.8	1.6								11.7	7.0
SW	2.1	2.4	1.2	.3	.1							6.2	5.2
WSW	1.2	.7	.6	.1								2.6	4.7
W	1.8	1.4	.6	.4								4.2	5.3
WNW	.6	1.7	1.3	1.3	.1							5.0	8.2
NW	.6	1.4	2.2	1.4								5.7	8.2
NNW	2.6	2.7	2.1	1.0								8.3	5.9
VARBL													
CALM												15.4	
	22.9	30.2	22.3	8.6	.6							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

900



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14703

WESTOVER AFB MA

69-70, 73-80

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1200-1400  
HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	4.9	4.3	1.9								13.2	6.7
NNE	1.7	2.0	1.4									5.1	4.9
NE	.4	1.2	.9									2.6	5.3
ENE	1.1	.9	.3									2.3	3.9
E	.9	.3	.2									1.4	4.1
ESE	.6	.6										1.1	3.3
SE	.3	.4	.3	.1								1.2	5.5
SSE	.9	.7	.4	.3								2.3	5.6
S	1.7	3.6	4.0	2.8	.1							12.1	7.8
SSW	1.6	4.1	5.9	2.2								13.8	7.4
SW	1.3	1.7	3.4	1.6								8.0	7.6
WSW	1.4	1.3	1.2	.2								4.2	5.4
W	1.6	.8	1.3	1.1	.2							5.0	7.4
WNW	.7	1.7	2.1	2.2	.4							7.1	9.1
NW	1.1	1.9	4.4	1.0								8.4	7.5
NNW	.8	2.2	3.0	.6	.1							6.7	7.2
VARBL													
CALM												5.3	
	18.1	28.2	33.4	14.0	.9							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

900



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1473  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	3.7	2.7	.9								9.7	5.9
NNE	1.4	.8	.6	.1	.1							3.0	5.4
NE	.9	1.1	.2									2.2	4.0
ENE	1.1	1.2	.1									2.4	3.6
E	.8	1.0	.3									2.1	4.5
ESE	.8	.1										.9	2.6
SE	.3	.8		.1								1.2	4.9
SSE	1.0	1.9	.7									3.6	4.8
S	1.9	6.8	4.6	2.3	.3							15.9	7.1
SSW	.9	3.2	5.1	1.6								10.8	7.6
SW	.1	1.4	4.4	1.0								7.0	8.2
WSW	.9	.7	1.3	1.0								3.9	7.4
W	.7	2.1	2.0	1.2	.1							6.1	7.7
WNW	.4	2.2	3.3	1.9								7.9	8.2
NW	.9	3.2	3.3	1.4	.2							9.1	7.6
NNW	1.2	2.4	2.3	1.0								7.0	6.7
VARBL													
CALM												7.2	
	15.8	32.7	31.0	12.6	.8							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1473  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

SEP  
MONTH  
1800-2000  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	3.2	1.8	.1								8.2	4.8
NNE	.8	1.6	.2	.1								2.7	4.9
NE	1.6	1.0	.1									2.7	3.4
ENE	.7	.3										1.0	2.7
E	1.2	.7	.2									2.1	3.5
ESE	1.3	.1										1.4	2.5
SE	.8	.2										1.0	2.6
SSE	1.9	1.8	.7									4.3	4.2
S	3.6	9.2	5.1	1.2								19.1	5.9
SSW	1.1	3.1	1.7	.7								6.6	6.2
SW	.6	1.4	1.0									3.0	5.4
WSW	.6	.9	.4									1.9	5.3
W	.7	1.1	.4	.3	.1							2.7	6.3
WNW	.8	2.9	1.4	.2	.1							5.4	6.0
NW	1.0	3.3	1.6	.4								6.3	5.8
NNW	2.3	1.6	1.0									4.9	4.3
VARBL													
CALM												26.7	
	21.9	32.4	15.7	3.1	.2							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 900



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

USE WITH CAUTION  
SEE FIRST PAGE

147-3  
STATION

WESTOVER AFB MA

STATION NAME

69-70, 73-80

YEARS

SEP

MONTH

ALL WEATHER

CLASS

2100-2300

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.4	4.1	1.3	.2								9.9	4.2
NNE	.9	.3	.8									2.0	4.8
NE	.6	.2										.8	2.8
ENE	.8	.3	.2									1.3	3.8
E	.5	.2										.6	2.8
ESE	.3	.2										.5	3.7
SE	.9	.2										1.1	2.1
SSE	2.5	1.1		.3								3.9	3.5
S	6.6	7.7	3.5	.6								18.4	4.7
SSW	1.7	1.6	.6	.3								4.2	5.0
SW	.3	1.1	.5	.3								2.2	6.6
WSW	.3		.5									.8	6.0
W	.6	.3	.5									1.4	4.8
WNW	.5	.9	1.1	.2								2.7	7.1
NW	.6	1.1	1.3	.5								3.5	6.6
NNW	1.1	1.7	.8	.2								3.8	5.1
VARBL													
CALM												42.9	
	22.8	20.9	10.8	2.5								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS

636



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	4.2	2.7	.7								11.0	5.4
NNE	1.2	1.4	.7	.1	.0							3.5	4.9
NE	1.1	.8	.3									2.1	3.9
ENE	.9	.6	.2	.0								1.7	3.8
E	.7	.4	.2	.0								1.4	3.9
ESE	.6	.1	.0	.0	.0							.8	3.3
SE	.7	.4	.1	.0								1.1	3.9
SSE	1.1	.9	.3	.1	.0							2.5	4.6
S	3.2	5.5	3.1	1.3	.1							13.2	6.0
SSW	1.3	2.6	3.0	1.0								8.0	6.8
SW	.8	1.3	1.6	.5	.0							4.2	6.6
WSW	.8	.6	.6	.2								2.2	5.6
W	.8	1.1	.8	.5	.1							3.4	6.7
WNW	.6	1.5	1.5	.9	.1							4.6	7.6
NW	.7	1.7	2.0	.7	.0							5.3	7.2
NNW	1.4	1.8	1.5	.4	.0							5.1	5.9
VARBL													
CALM												30.0	
	19.4	25.1	18.6	6.5	.5							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 6151



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-75  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	1.9	3.4	.2								8.6	5.5
NNE	.9	.9	1.1									2.8	5.8
NE	1.3	.6	1.3									3.2	5.5
ENE	.6	.4	.6	.2								1.9	6.0
E	1.1	.6	.2									1.9	3.7
ESE	.2	.2										.4	3.0
SE	.2											.2	1.0
SSE	1.7		.2									1.9	2.6
S	1.7	4.3	1.1									7.1	4.6
SSW	1.5	.6	1.3									3.4	5.1
SW		1.3	.2									1.5	5.0
WSW	.9	.4										1.3	3.3
W	.6	.9	.4									1.9	4.3
WNW	.6	.2	.2									1.1	4.2
NW	.6	1.1	1.3	.4	.2							3.7	7.2
NNW	1.1	.9	1.3	.4								3.7	6.3
VARBL													
CALM												55.3	
	16.1	14.4	12.7	1.3	.2							100.0	2.3

TOTAL NUMBER OF OBSERVATIONS

465



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

USE WITH CAUTION  
SEE FIRST PAGE

14713  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-75  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	4.1	3.0									9.2	5.4
NNE	.6	.4	1.3									2.4	6.3
NE	1.1	.4	1.1	.2								2.8	5.9
ENE	.4	.6	.2									1.3	3.8
E	.2	.4	.6									1.3	6.0
ESE	.2	.2	.2									.6	5.0
SE	.2											.2	2.0
SSE	1.1											1.1	1.8
S	1.1	3.7	1.7									6.5	5.3
SSW	1.7	.2	.2	.2								2.4	4.2
SW	.4	2.2										2.6	3.8
WSW	.4	.2										.6	3.0
W	.6	.2	.2									1.1	3.8
WNW	.4		.2	.2								.9	6.3
NW	.2	1.1	1.1	.2								2.6	6.6
NNW	.2	.9	.9	.2								2.2	6.2
VARBL													
CALM												62.4	
	11.2	14.6	10.8	1.1								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS

465



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	3.8	2.5	.8	.1							10.2	5.7
NNE	2.1	.7	.7	.2								3.6	4.5
NE	1.4	1.0	.8	.2								3.4	5.1
ENE	1.0	.3	.1									1.4	3.1
E	.5	.2	.5	.1								1.4	5.2
ESE	.3	.3										.7	3.0
SE	.3	.2										.5	3.2
SSE	1.0	.2	.1									1.3	2.6
S	3.0	2.4	2.1	.2								7.7	5.1
SSW	1.6	2.2	1.2	.2								5.2	5.3
SW	.3	.7	.4	.5								2.0	7.7
WSW		.9	.8	.1	.1							1.9	7.5
W	.3	.3	1.3	.7	.1	.1						2.8	9.1
WNW	.3	.7	1.0	.4	.1							2.5	8.0
NW	1.1	.8	1.4	.5								3.8	6.5
NNW	1.5	1.4	.5	.3								3.8	5.2
VARBL													
CALM												47.8	
	17.8	16.1	13.4	4.4	.4	.1						100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

915



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14703 WESTOVER AFB MA

69-70,73-80

OCT

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

0900-1100

MOVES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	3.0	6.5	1.7	.4	.1						15.1	7.3
NNE	1.4	2.0	1.9	.3								5.7	6.0
NE	.4	.6	.9	.4								2.4	6.9
ENE	.5	.3	.6	.1								1.6	5.8
E	1.0	.9	.8	.1								2.7	5.1
ESE	.3	.3	.2									.9	5.0
SE	.4	.5	.2									1.2	4.9
SSE	.3	.4	.2	.1								1.1	5.6
S	1.7	1.2	2.8	1.2								6.9	7.1
SSW	2.4	3.4	3.3	1.6	.1							10.9	6.8
SW	1.4	2.0	1.8	.3	.1							5.7	5.9
WSW	1.3	1.3	.6	.4	.1							3.8	6.0
W	1.8	1.2	1.0	1.7	.1							5.8	7.4
WNW	1.4	.8	1.1	3.5	.3							7.1	10.0
NW	.8	.8	1.8	1.2	.4							4.9	9.2
NNW	1.1	2.5	2.5	.8	.1							6.9	7.0
VARBL													
CALM												17.5	
	19.6	21.3	26.2	13.5	1.7	.1						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

930



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

OCT  
MONTH  
1200-1400  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	3.1	4.1	1.5	.2	.1						11.0	7.4
NNE	.5	1.3	1.4	.5								3.8	7.0
NE	1.0	.9	1.1	.4								3.3	5.9
ENE	.4	.6	1.1	.1								2.3	6.5
E	.6	1.0	1.1	.3								3.0	6.4
ESE	.3		.2									.5	5.2
SE	.2	.2	.1	.1								.6	6.0
SSE	.9	.1	.5	.2	.1							1.8	6.2
S	.8	1.7	4.3	2.4	.2							9.4	8.8
SSW	1.2	2.9	3.5	2.2	.2							10.0	8.1
SW	2.4	2.2	2.4	.8								7.6	5.9
WSW	1.9	1.2	1.2	.6		.1						5.1	6.3
W	1.9	1.2	2.7	2.4	.6							8.8	8.8
WNW	1.2	1.6	3.2	3.7	.6							10.3	9.7
NW	1.8	1.1	2.7	2.8	.2							8.6	8.6
NNW	1.0	1.5	2.4	1.8								6.7	8.0
VARBL													
CALM												7.2	
	18.1	20.5	31.9	19.8	2.3	.2						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 930



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14703 WESTOVER AFB MA 69-70, 73-80 OCT  
STATION NORTH  
1500-1700  
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.7	3.0	1.2	.3							9.1	7.1
NNE	.4	.4	1.3	.3	.1							2.6	7.8
NE	.5	1.0	1.2	.1								2.8	6.3
ENE	.5	1.1	.8	.1								2.5	5.4
E	1.0	.9	.5	.2								2.6	5.1
ESE	.3	.5	.3	.1								1.3	6.0
SE	.6	.5	.2	.1								1.5	4.6
SSE	1.1	1.1	.6									2.8	4.6
S	1.8	3.4	5.5	2.7		.2						13.7	7.7
SSW	1.4	2.7	3.1	1.1	.3							8.6	7.4
SW	1.1	.8	1.6	.5								4.0	6.7
WSW	.8	1.4	1.1	.4								3.7	6.1
W	1.4	1.3	2.6	.9		.1						6.2	7.4
WNW	.9	1.8	3.9	3.8	.6							11.0	9.7
NW	1.2	1.9	3.3	2.2	.4							9.0	8.5
NNW	1.1	1.3	1.5	1.1	.1							5.1	7.6
VARBL													
CALM												13.7	
	16.0	22.8	30.5	14.7	1.9	.3						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 930



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14723  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.3	1.4	1.4	.1							6.1	7.3
NNE	1.3	.8	.5	.2								2.8	4.8
NE	1.3	1.1	.4									2.8	4.2
ENE	1.3	.5	.3									2.2	4.0
E	1.4	.8	.5	.1								2.8	4.5
ESE	.5	1.0	.1									1.6	4.1
SE	.4	.8	.3									1.5	4.9
SSE	1.6	1.4	.6									3.7	4.3
S	2.7	6.6	4.5	1.1	.1							14.9	6.0
SSW	1.4	2.6	.9	.1								4.9	4.9
SW	.8	1.3	.2	.2								2.5	5.5
WSW	.9	.8	.2	.1	.1							1.9	5.2
W	.8	2.0	1.0	.4								4.2	5.7
WNW	1.0	2.2	2.7	.4	.3							6.6	7.2
NW	1.3	3.1	2.4	1.3	.1							8.2	6.8
NNW	1.8	1.1	1.1	.3								4.3	5.5
VARBL													
CALM												29.0	
	19.2	28.1	17.2	5.7	.8							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

930



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

USE WITH CAUTION  
SEE FIRST PAGE

14703

STATION

WESTOVER AFB MA

STATION NAME

69-70, 73-80

YEARS

OCT

MONTH

ALL WEATHER

CLASS

2100-2300

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.0	2.0	1.6	.2							7.9	6.8
NNE	.9	.8	.5									2.2	4.4
NE	.9	.6	.8									2.4	5.1
ENE	.8	.8	.3	.3								2.2	5.6
E	1.6	.9	.6									3.1	4.4
ESE	.3	.5	.2									.9	4.7
SE	.9	.5										1.4	2.9
SSE	1.6	1.3	.2	.2								3.1	3.9
S	2.7	4.9	1.4	.3								9.3	4.9
SSW	2.0	2.8	1.3	.2								8.3	5.2
SW	1.1	.8	.5	.2								2.5	4.6
WSW	.2	.6	.2									.9	5.3
W	.9	1.7	.8	.3								3.8	5.5
WNW	.9	1.1	1.6									3.6	5.6
NW	1.3	1.4	1.7	.5								4.9	6.2
NNW	1.4	1.1	1.3	.5								4.2	6.1
VARBL													
CALM												41.2	
	19.7	21.9	13.2	3.9	.2							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

636



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14783

WESTOVER AFB MA

69-70, 73-80

OCT

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.9	3.3	1.2	.2	.0						9.8	6.7
NNE	1.1	1.0	1.1	.2	.0							3.4	5.9
NE	1.0	.8	.9	.2								2.9	5.6
ENE	.7	.6	.5	.1								2.0	5.2
E	.9	.7	.6	.1								2.4	5.1
ESE	.3	.4	.2	.0								.9	4.7
SE	.4	.4	.1	.0								1.0	4.4
SSE	1.1	.6	.4	.1	.0							2.1	4.3
S	2.0	3.4	3.2	1.2	.0	.0						9.8	6.6
SSW	1.6	2.4	2.0	.8	.1							7.0	6.5
SW	1.0	1.4	1.0	.4	.0							3.8	5.9
WSW	.8	.9	.6	.3	.0	.0						2.7	6.0
W	1.1	1.2	1.4	.9	.1	.0						4.8	7.4
WNW	.9	1.2	2.0	1.8	.3							6.1	8.9
NW	1.1	1.5	2.1	1.3	.2							6.1	7.8
NNW	1.2	1.4	1.5	.7	.0							4.9	6.7
VARBL													
CALM												30.2	
	17.6	20.7	21.0	9.3	1.1	.1						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

6201



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

USE WITH CAUTION  
SEE FIRST PAGE

14703

WESTOVER AFB MA

69-70, 73-75

NOV

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

0000-0200

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	4.0	4.2	1.1								11.1	6.6
NNE	1.1	.7	1.1	.2								3.1	5.6
NE	.7	.7	.4	.2								2.0	5.6
ENE	1.6	1.1	.2									2.9	3.6
E	1.1	.7	.9									2.7	4.8
ESE	.2	.4										.7	3.7
SE	.2	.2										.4	3.0
SSE	1.3	.4		.7								2.4	5.0
S	2.4	2.9	1.6									6.9	4.6
SSW	1.6	3.3	.2	.2								5.3	4.7
SW	.7	.4	.2									1.3	4.2
WSW	.7	1.1	.2									2.0	4.4
W	.4	1.6	2.2	.4								4.7	7.3
WNW	.7	.9	3.1	1.3	.2							6.2	8.6
NW	1.3	1.6	1.3	.7	.7							5.6	7.4
NNW	.9	1.6	1.1	.7	.2							4.4	7.5
VARBL													
CALM												38.2	
	16.7	21.6	16.9	5.6	1.1							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

450



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

WITH CAUTION  
SEE FIRST PAGE

14703 STATION WESTOVER AFB MA STATION NAME 69-70, 73-75 YEARS NOV MONTH  
ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	1.6	4.0	.9								10.4	6.1
NNE	.7	1.8	1.1	.4								4.0	5.9
NE	.9	.9	.2									2.0	3.7
ENE	.9	.4										1.3	3.0
E	2.0	.9		.2								3.1	3.5
ESE	.7	.7	.4									1.8	4.6
SE	.9											.9	2.0
SSE	.9	.7										1.6	3.7
S	1.6	1.3	1.1	.4								4.4	5.6
SSW	.9	1.6	.9	.2								3.6	5.4
SW	1.6	.9	.7									3.1	4.1
WSW	.4	1.1	.2									1.8	4.9
W	.9	.9	.9	.2								2.9	6.2
WNW	1.1	1.8	2.2	2.2								7.3	8.2
NW	1.1	1.6	2.0	1.8	.7							7.1	8.8
NNW	.9	1.6	.9	.9	.2							4.4	7.5
VARBL													
CALM												40.2	
	19.3	17.6	14.7	7.3	.9							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 450



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

3600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	4.4	2.8	.7								10.0	5.9
NNE	1.9	1.1	.4									3.3	3.7
NE	1.6	.4										2.0	2.6
ENE	.7	.3	.4									1.3	4.6
E	.7	.5	.3									1.5	3.8
ESE	.4	.7	.3									1.3	4.6
SE	.1		.3									.4	7.0
SSE	1.3	.5										1.9	2.9
S	1.9	2.3	2.1	.8								7.1	6.1
SSW	1.3	1.6	1.6	.3								4.8	5.5
SW	.1	1.2	1.3									2.7	6.5
WSW	.4	.5	.3									1.2	4.9
W	.3	2.4	1.6	.8								5.1	7.2
WNW	.4	1.1	3.1	1.2		.1						5.9	8.9
NW	.9	1.1	2.8	1.5	.4							6.7	8.8
NNW	1.5	1.5	1.6	.4								4.9	5.8
VARBL													
CALM												40.1	
	15.6	19.4	18.8	5.6	.4	.1						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

751



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	4.8	4.8	1.9								14.6	6.6
NNE	.7	.8	1.1	.2								2.8	6.4
NE	.4	.7	.6									1.7	5.0
ENE	.9	.8	.1	.2								2.0	4.8
E	.4	1.1	.3									1.9	5.2
ESE	.6	.6										1.1	3.7
SE	.6	.6	.4	.2								1.8	5.9
SSE	.6	.2	.2	.1								1.1	5.4
S	1.9	1.4	2.4	1.2	.1							7.1	7.0
SSW	1.8	2.3	2.9	1.6		.1						8.7	7.3
SW	1.9	1.3	1.7	.4								5.3	5.7
WSW	.8	.8	1.8	.4								3.8	6.9
W	1.1	1.4	1.6	2.2	.2							6.6	8.4
WNW	.7	.6	2.9	3.4	.6							8.1	10.7
NW	1.1	1.8	1.9	2.4	.7	.1						8.0	9.3
NNW	.7	1.8	2.0	1.4	.1	.1						6.1	8.4
VARBL													
CALM												19.4	
	17.1	20.9	24.7	15.9	1.7	.3						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14773 WESTOVER AFB MA 69-70,73-80 NOV  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1200-1400  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	4.0	3.1	1.4	.2							11.0	6.7
NNE	1.2	1.3	.8									3.3	4.5
NE	.8	.6	.7	.1								2.1	5.6
ENE	.4	.7	.7									1.8	5.3
E	1.0	.8	.4	.1	.1							2.4	5.2
ESE	.2	.6										.8	4.0
SE	.6	.9	.7									2.1	5.3
SSE	.4	.7	.6	.2	.2							2.1	7.9
S	1.1	2.7	3.4	2.2	.1	.2						9.8	8.4
SSW	1.4	2.4	3.0	1.4	.4							8.8	7.9
SW	1.8	2.2	1.3	1.1								6.4	6.4
WSW	1.0	1.0	1.0	.3	.2							3.6	7.0
W	1.8	1.4	2.7	3.1	.4							9.4	8.9
WNW	1.6	.8	3.7	5.9	.8							12.7	10.6
NW	.8	1.1	2.4	4.7	1.0	.1						10.1	10.8
NNW	.4	1.6	1.8	1.9	.6							6.2	9.5
VARBL													
CALM												7.3	
	16.8	22.7	26.2	22.6	4.1	.3						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 900



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

NOV  
MONTH  
1500-1700  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	3.3	1.3	.9								8.3	5.6
NNE	.8	1.3	.6	.1								2.8	5.2
NE	.9	1.0	.4	.1								2.4	4.7
ENE	.8	.6	.7									2.0	4.9
E	1.3	1.8	.2									3.3	4.1
ESE	.3	.4										.8	4.0
SE	.6	.1	.7									1.3	5.8
SSE	.7	.9	.3	.1	.2							2.2	6.6
S	2.0	2.8	4.3	3.1	.2							12.4	8.0
SSW	1.1	2.3	1.9	.9								6.2	6.8
SW	.6	1.6	.8	.9								3.8	7.2
WSW	.6	1.1	1.3	.7								3.7	7.0
W	1.2	1.8	2.8	2.0	.2							8.0	8.1
WNW	.6	2.3	4.8	4.1	.3							12.1	9.6
NW	1.2	2.4	4.3	3.8	1.1							12.9	9.5
NNW	.9	1.8	1.1	1.8		.1						5.7	8.2
VARBL													
CALM												12.0	
	16.2	25.6	25.6	18.4	2.1	.1						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14703

STATION

WESTOVER AFB MA

STATION NAME

69-70,73-80

YEARS

NOV

MONTH

ALL WEATHER

CLASS

1800-2000

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	2.3	2.9	.6								9.3	5.5
NNE	.8	.7	.3	.1								1.9	4.7
NE	1.0	.7	.4									2.1	4.4
ENE	.7	.9	.3	.1								2.0	5.2
E	1.3	2.0	.7									4.0	4.6
ESE	.4	.6										1.0	3.8
SE	1.1	.2										1.3	2.4
SSE	.8	1.2	.7	.1	.1							2.9	5.7
S	2.8	3.8	3.8	.8	.2							11.3	6.1
SSW	.3	1.7	1.6	.9	.1							4.6	7.6
SW	.8	.7	1.0	.2								2.7	6.4
WSW	.2	1.4	1.1									2.8	6.3
W	.7	2.1	2.1	.9								5.8	6.9
WNW	.9	2.6	2.3	2.6	.7	.1						9.1	9.4
NW	1.2	1.7	2.7	2.3	.3							8.2	8.6
NNW	1.7	1.7	1.0	1.0	.2							5.6	6.8
VARBL													
CALM												25.4	
	18.2	24.1	20.9	9.6	1.7	.1						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

900



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	3.2	3.3	.9								10.7	6.0
NNE	1.1	.1	.4	.3								1.9	4.9
NE	.9	1.1	.5									2.5	4.4
ENE	1.7	.9	.1									2.8	3.3
E	.7	1.1	.4									2.1	4.6
ESE	.5		.1									.7	3.4
SE	.3	.4										.7	3.0
SSE	1.6	.5	.3	.4								2.8	4.8
S	3.3	4.3	1.9	.9								10.4	5.5
SSW	1.3	2.3	1.9	.3								5.7	5.8
SW	.3	.8	.5									1.6	5.8
WSW	.5	1.1	.5									2.1	5.1
W	.3	1.3	1.2	.9	.3							4.0	8.4
WNW	.8	1.6	2.4	2.3		.1						7.2	8.7
NW	.8	2.1	2.4	.9	.3							6.5	7.8
NNW	1.6	1.7	1.9	.8	.3							6.3	7.0
VARBL													
CALM												31.9	
	19.0	22.6	17.9	7.7	.8	.1						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

749



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1473  
STATION

WESTOVER AFB MA

STATION NAME

69-70, 73-80

YEARS

NOV

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	3.5	3.2	1.1	.0							10.7	6.2
NNE	1.0	.9	.7	.1								2.8	5.1
NE	.9	.7	.4	.0								2.1	4.5
ENE	.9	.7	.3	.0								2.0	4.4
E	1.0	1.2	.4	.0	.7							2.6	4.5
ESE	.4	.5	.1									1.0	4.0
SE	.5	.3	.3	.0								1.2	4.7
SSE	.9	.7	.3	.2	.1							2.1	5.5
S	2.1	2.7	2.8	1.3	.1	.0						9.1	6.8
SSW	1.2	2.2	1.9	.8	.1	.0						6.2	6.8
SW	1.0	1.2	1.0	.4								3.6	6.1
WSW	.6	1.0	.9	.2	.0							2.8	6.3
W	.9	1.7	1.9	1.5	.2							6.2	8.0
WNW	.8	1.5	3.1	3.1	.4	.0						8.9	9.6
NW	1.7	1.7	2.6	2.5	.6	.0						8.5	9.2
NNW	1.1	1.6	1.5	1.2	.2	.0						5.6	7.7
VARBL													
CALM												24.5	
	17.3	22.2	21.5	12.6	1.7	.2						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

6000



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-75  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	8.4	3.9	2.5	.9	.2						19.5	7.2
NNE	2.7	.2	1.4									4.3	4.4
NE	1.8		.5	.7								2.9	5.8
ENE	.9	.2										1.1	3.2
E			.7									.7	8.3
ESE													
SE	.9											.9	2.3
SSE	.5											.5	2.5
S	.7	3.2	.9	.2	.2							5.2	6.4
SSW	1.4	1.6	.7	.9	.5							5.0	7.7
SW	.9	.7										1.6	3.3
WSW	.5	.2										.7	4.0
W	.7	1.1	1.1	.7	.2							3.9	7.9
WNW	1.1	1.1	1.4	.9								4.5	6.6
NW	.9	1.8	2.5	2.0								7.3	7.7
NNW	1.4	2.9	1.4	2.0								7.7	7.3
VARBL													
CALM												34.2	
	17.9	21.5	14.3	10.0	1.8	.2						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 441



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

USE WITH CAUTION  
SEE FIRST PAGE

14703

STATION

WESTOVER AFB MA

STATION NAME

69-70, 73-75

YEARS

DEC

MONTH

ALL WEATHER

CLASS

0300-0500

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	7.3	4.3	2.5	.5	.2						17.5	7.2
NNE	2.0	1.4	.2									3.6	3.4
NE	.5	1.1		.9	.2							2.7	8.4
ENE	.7	.5		.2								1.4	4.7
E	.2	.2	.5									.9	6.8
ESE													
SE		.2										.2	6.0
SSE	.5	.2										.7	2.7
S	1.4	1.1	2.3	.2	.2							5.2	6.7
SSW	1.1	1.8	.9	.5	.2							4.5	6.1
SW	.5	1.4										1.8	4.3
WSW		.7										.7	5.3
W	.7	1.8	.7	.9	.5							4.5	7.9
WNW	.7	1.6	1.4	1.1	.5							5.2	8.9
NW	1.4	2.5	2.0	1.4								7.3	6.6
NNW	1.8	2.7	3.4	1.4								9.3	7.0
VARBL													
CALM												34.5	
	14.1	24.5	15.6	9.1	2.0	.2						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

441



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	6.4	3.7	1.7	.4							15.0	6.7
NNE	1.1	.9	.8	.3								3.1	5.7
NE	.7	.5	.4	.8								2.4	7.2
ENE	.1			.1	.1							.4	12.3
E	.4		.3	.1								.8	6.2
ESE													
SE	.3	.3										.5	3.3
SSE	1.2	.7	.1	.3								2.3	4.4
S	1.2	2.4	2.8	.3								6.7	6.3
SSW	.4	1.2	1.3	.3								3.2	7.1
SW	.4	.7	.3									1.3	5.3
WSW	.1	.4	.1									.7	5.0
W	.1	1.2	.9	1.5	.3	.1						4.1	10.1
WNW	.9	1.5	2.1	3.1	1.1	.1						8.8	10.4
NW	1.9	2.9	.7	1.3	.4							7.2	6.7
NNW	1.7	2.5	1.9	1.2	.1							7.5	6.7
VARBL													
CALM												35.9	
	13.3	21.7	15.5	11.0	2.4	.3						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

747



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14703  
STATION

WESTOVER AFB MA

STATION NAME

69-70, 73-80

YEARS

DEC

MONTH

ALL WEATHER

CLASS

0900-1100

HOURE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	6.1	6.9	1.6	.4							17.8	6.8
NNE	.8	.8	1.1	.3								3.0	6.6
NE	.3	.3	.3	.6								1.6	8.6
ENE	.2	.3	.4									1.0	5.9
E		.3	.3									.7	6.7
ESE	.1											.1	2.0
SE			.1									.1	7.0
SSE	.2		.3	.3								.9	9.6
S	1.1	2.0	2.9	1.4								7.4	7.5
SSW	.8	2.0	2.2	.6								5.6	6.9
SW	1.3	1.8	1.7	.1								4.9	5.6
WSW	.9	.1	.3	.3								1.7	5.5
W	.4	1.1	.9	1.3	.4							4.2	9.9
WNW	.4	1.9	3.1	4.4	1.8	.4	.1					12.2	11.9
NW	1.0	2.2	3.1	2.6	1.0							9.9	9.6
NNW	1.0	2.1	2.1	1.3	.2							6.8	7.6
VARBL													
CALM												22.2	
	11.4	21.1	25.9	14.9	3.9	.4	.1					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	7.0	7.3	2.0	.3	.1						19.3	7.0
NNE	.4	1.2	.3	.6	.1							2.7	7.2
NE	.1	.6	.1	.2								1.0	7.6
ENE	.2	.1	.2	.1								.7	6.7
E	.2	.1	.3	.1								.8	7.0
ESE		.1	.2									.3	7.7
SE	.4											.4	2.3
SSE	.2	.2	.2	.1								.8	6.3
S	.4	1.4	4.0	2.7	.2							8.8	9.2
SSW	.8	1.9	2.6	1.9	.2							7.3	8.5
SW	1.4	.8	.8	.3								3.3	5.6
WSW	.8	.3	.4	.3								1.9	6.4
W	.7	1.1	2.3	2.2	.7	.3						7.3	10.6
WNW	.7	1.4	3.1	5.3	1.7	.6						12.8	12.0
NW	.7	1.9	4.4	3.6	2.1	.3						13.0	11.2
NNW	1.7	1.9	2.9	2.0	.2	.1						8.8	8.1
VARBL													
CALM												10.8	
	11.3	20.1	29.3	21.4	5.6	1.4						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1473  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	5.8	3.0	1.7	.3							14.7	6.0
NNE	.8	1.5	.6	.3								3.1	5.8
NE	.9	.4	.3	.1								1.8	4.8
ENE	.6	.8	.6	.2								2.1	5.8
E	.2	.2		.1	.1							.7	6.8
ESE		.1										.1	6.0
SE	.4	.1										.6	2.8
SSE	.3	.9	1.7	.1								2.3	6.3
S	1.6	2.0	4.4	1.7	.1							9.7	7.4
SSW	.4	1.8	2.0	.2	.1							4.6	6.8
SW	.4	.8	.7	.3								2.2	7.0
WSW	.1	1.1	.4	.2	.1							2.0	7.1
W	.4	2.3	1.6	1.6	.6	.1						6.6	9.0
WNW	.6	1.7	4.2	4.4	1.7	.7						12.5	11.3
NW	1.8	1.8	3.0	4.4	1.7	.2						12.8	10.5
NNW	1.1	3.2	2.7	1.6	.1							8.7	7.1
VARBL													
CALM												15.4	
	13.6	24.6	24.4	16.9	4.1	1.0						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 896



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	4.5	3.5	1.6	.3							12.8	6.5
NNE	1.7	.7		.3								2.7	4.2
NE	1.0	.7	.2									1.9	3.9
ENE	.5	.2	.6									1.2	5.3
E	.7	.1										.8	2.7
ESE	.3											.3	2.3
SE	.6	.2	.2									1.0	3.9
SSE	1.7	1.2	.7		.1							3.0	5.1
S	.7	3.4	3.8	.6	.1							8.6	6.9
SSW	1.0	1.6	1.0	.5	.1							4.2	6.4
SW	.1	1.0	.3									1.5	5.5
WSW	.6	.7	.9	.1	.1							2.4	6.8
W	1.5	2.3	1.5	1.5	.1	.1						6.9	7.3
WNW	.8	2.5	2.8	2.9	1.4	.3	.1					10.8	10.4
NW	1.6	1.9	3.6	2.4	.6	.1						10.2	8.8
NNW	1.6	.9	2.0	.8	.3							5.6	7.5
VARBL													
CALM												26.1	
	16.4	21.9	21.2	10.6	3.2	.6	.1					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

886



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

USE WITH SECTION  
SEE FIRST PAGE

14713 WESTOVER AFB MA

69-70, 73-80

DEC

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

2100-2300

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	5.2	4.0	1.2	.4							14.4	6.5
NNE	1.3	.8	.7	.1								3.0	5.1
NE	1.3	.5	.7	.4								3.0	5.5
ENE	.3	.1										.4	2.7
E	.1	.3	.1									.5	5.5
ESE	.1	.1										.3	3.0
SE	.5	.1	.3	.1								1.1	5.3
SSE	.5	.7										1.2	4.2
S	.9	2.7	2.6	1.1								7.3	7.1
SSW	.9	1.5	.9	.4	.1							3.9	6.3
SW	.4	1.3	.8	.1								2.7	5.8
WSW	.3	.4	1.1	.1								1.9	6.9
W	.7	1.5	1.3	.8	.1							4.4	7.6
WNW	.8	1.5	3.9	2.3	1.3	.3						10.1	10.3
NW	.5	2.3	2.3	1.7	.7	.1						7.3	8.6
NNW	1.1	1.9	2.7	.9								6.6	7.0
VARBL													
CALM												32.1	
	13.4	21.0	21.4	9.4	2.3	.4						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

744



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	6.1	4.7	1.8	.4	.1						16.1	6.7
NNE	1.2	1.0	.6	.3	.0							3.1	5.4
NE	.8	.5	.3	.4	.0							2.0	6.2
ENE	.4	.3	.3	.1	.0							1.0	5.6
E	.3	.2	.2	.1	.0							.7	6.0
ESE	.1	.1	.0									.2	4.4
SE	.4	.1	.1	.0								.6	3.8
SSE	.6	.5	.4	.1	.0							1.6	5.5
S	1.0	2.3	3.2	1.2	.1							7.7	7.4
SSW	.8	1.7	1.6	.7	.1							4.9	7.1
SW	.7	1.1	.7	.1								2.6	5.6
WSW	.4	.5	.5	.2	.0							1.6	6.4
W	.7	1.6	1.4	1.4	.4	.1						5.5	9.0
WNW	.7	1.7	3.0	3.4	1.2	.4	.0					10.4	11.0
NW	1.2	2.1	2.8	2.6	.9	.1						9.8	9.3
NNW	1.4	2.2	2.4	1.4	.2	.0						7.5	7.3
VARBL													
CALM												24.8	
	13.6	21.9	22.0	13.6	3.4	.6	.0					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

5955



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-81  
YEARS

ALL  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	3.7	3.2	1.4	.2	.0						11.1	6.6
NNE	1.1	1.2	.9	.3	.1	.0						3.5	5.8
NE	.9	.8	.5	.2	.0	.0						2.4	5.2
ENE	.7	.6	.4	.1	.0	.0						1.8	5.0
E	.7	.7	.4	.1	.0	.0						1.9	4.8
ESE	.5	.3	.1	.0	.0							.9	4.3
SE	.5	.4	.2	.0	.0							1.1	4.4
SSE	1.0	.8	.4	.1	.0	.0						2.4	4.9
S	2.3	4.0	3.7	1.7	.2	.0	.0					11.9	6.9
SSW	1.3	2.4	2.5	1.2	.1	.0	.0					7.6	7.2
SW	.8	1.4	1.1	.5	.0	.0						3.8	6.6
WSW	.6	.9	.7	.3	.0	.0						2.5	6.5
W	.8	1.4	1.5	1.0	.2	.0	.0					5.0	7.9
WNW	.7	1.5	2.3	2.5	.6	.1	.0					7.6	10.0
NW	1.0	1.7	2.5	2.2	.5	.1	.0	.0				8.1	9.1
NNW	1.1	1.6	1.7	1.0	.1	.0						5.6	7.3
VARBL													
CALM												22.8	
	16.7	23.3	22.3	12.5	2.1	.3	.0	.0				100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

72668



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14703  
STATION

WESTOVER AFB MA

STATION NAME

69-70, 73-81

YEARS

ALL  
MONTH

INSTRUMENT

CLASS

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

ALL  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.2	6.4	4.8	1.5	.3	.0						17.2	6.2
NNE	1.7	2.0	1.6	.4	.1	.0						5.9	6.0
NE	1.1	1.7	1.4	.4	.0							4.6	6.1
ENE	1.0	1.4	1.1	.2	.0	.0						3.7	5.8
E	1.1	1.2	.8	.1	.0							3.2	5.2
ESE	.6	.7	.2	.0	.0							1.5	4.7
SE	.8	.6	.2	.1								1.7	4.4
SSE	1.1	1.5	.7	.2	.1							3.5	5.3
S	3.2	6.3	5.2	1.9	.2	.1						16.9	6.7
SSW	1.6	2.7	2.6	1.0	.1	.0						7.9	6.6
SW	.7	.9	.5	.1								2.2	5.1
WSW	.3	.4	.1	.0	.0							.9	4.8
W	.4	.2	.2	.0	.0							.8	4.8
WNW	.2	.3	.1	.1	.0							.8	7.0
NW	.6	.4	.2	.1	.0	.0						1.3	5.1
NNW	1.3	1.1	.6	.3	.0	.0						3.4	5.3
VARBL													
CALM												24.6	
	19.9	27.7	20.2	6.5	1.0	.2						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

9572



U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side



EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq 0$	
NO CEILING																
1800																
1500					91.0											92.6
1200																
1000																
900																
800																
700																
600																
500										97.4						98.1
400																
300																
200																
100																
0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.



#### ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.  
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $\geq 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

14 703

WESTOVER AFB MA

70, 73-76, 80

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	45.5	47.9	48.1	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.7	48.7	48.7
≥ 20000	48.3	50.6	50.9	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.5	51.5	51.5
≥ 18000	48.3	50.6	50.9	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.5	51.5	51.5
≥ 16000	48.3	50.6	50.9	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.5	51.5	51.5
≥ 14000	48.7	51.1	51.7	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4
≥ 12000	48.9	51.3	51.9	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.6	52.6	52.6
≥ 10000	50.9	53.2	53.9	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.5	54.5	54.5
≥ 9000	51.7	54.3	55.2	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.8	55.8	55.8
≥ 8000	54.5	57.5	58.4	58.6	59.0	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.4	59.4	59.4
≥ 7000	56.2	59.2	60.1	60.3	60.7	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.2	61.2	61.2
≥ 6000	58.6	61.6	62.7	62.9	63.3	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.7	63.7	63.7
≥ 5000	60.7	64.4	65.9	66.1	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.0	67.0	67.0
≥ 4500	62.0	65.7	67.2	67.4	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.2	68.2	68.2
≥ 4000	63.9	67.8	69.5	69.7	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.6	70.6	70.6
≥ 3500	65.7	69.5	71.5	71.7	72.3	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.7	72.7	72.7
≥ 3000	67.4	71.7	73.6	73.8	74.7	74.7	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.3	75.3	75.3
≥ 2500	68.5	73.0	75.1	75.3	76.4	76.4	76.6	77.0	77.0	77.0	77.0	77.0	77.0	77.3	77.3	77.3
≥ 2000	71.5	76.6	79.0	79.2	80.3	80.3	80.5	81.1	81.1	81.1	81.1	81.1	81.1	81.3	81.3	81.3
≥ 1800	71.7	76.8	79.2	79.4	80.5	80.5	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.5	81.5	81.5
≥ 1500	72.5	78.5	80.9	81.1	82.2	82.2	82.6	83.5	83.5	83.5	83.5	83.5	83.5	83.7	83.7	83.7
≥ 1200	72.7	79.6	82.0	82.4	83.9	83.9	84.5	85.4	85.4	85.6	85.8	85.8	85.8	86.1	86.1	86.1
≥ 1000	73.2	80.5	83.0	83.5	86.1	86.3	86.9	88.2	88.2	88.4	88.6	88.6	88.6	88.8	88.8	88.8
≥ 900	73.2	80.5	83.0	83.5	86.1	86.5	87.1	88.6	88.6	89.1	89.3	89.3	89.3	89.5	89.5	89.5
≥ 800	73.2	80.7	83.3	83.7	86.3	86.7	87.6	89.7	90.1	90.6	91.0	91.0	91.0	91.2	91.2	91.2
≥ 700	73.2	80.7	83.5	83.9	86.7	87.8	88.6	91.0	91.6	92.1	92.5	92.5	92.5	92.7	92.7	92.9
≥ 600	73.2	80.7	83.5	83.9	86.7	88.0	89.1	92.1	92.7	93.1	93.6	93.6	93.6	93.8	93.8	94.0
≥ 500	73.2	80.9	83.7	84.1	87.3	88.6	89.7	93.1	93.8	94.2	94.8	94.8	94.8	95.1	95.3	95.7
≥ 400	73.2	80.9	83.7	84.1	87.3	88.6	90.1	94.0	94.6	95.1	95.7	95.9	96.1	96.4	96.6	96.8
≥ 300	73.2	80.9	83.7	84.1	87.3	88.6	90.1	94.6	95.3	95.7	96.4	96.6	97.2	97.4	97.6	97.9
≥ 200	73.2	80.9	83.7	84.1	87.3	88.6	90.6	95.1	95.9	96.4	97.6	97.9	98.5	98.9	99.4	99.6
≥ 100	73.2	80.9	83.7	84.1	87.3	88.6	90.6	95.1	95.9	96.6	97.9	98.1	98.7	99.1	99.6	100.0
≥ 0	73.2	80.9	83.7	84.1	87.3	88.6	90.6	95.1	95.9	96.6	97.9	98.1	98.7	99.1	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 466



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

70,73-76,80

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	44.3	47.1	48.2	48.2	48.4	48.4	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.8	48.8
≥ 20000	46.7	49.5	50.5	50.5	50.8	50.8	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.2	51.2
≥ 18000	46.7	49.5	50.5	50.5	50.8	50.8	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.2	51.2
≥ 16000	46.7	49.5	50.5	50.5	50.8	50.8	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.2	51.2
≥ 14000	46.9	49.7	51.2	51.2	51.4	51.4	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.8	51.8
≥ 12000	47.5	50.3	51.8	51.8	52.0	52.0	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.5	52.5
≥ 10000	48.8	51.8	53.3	53.3	53.5	53.5	53.5	53.8	53.8	53.8	53.8	53.8	53.8	53.8	54.0	54.0
≥ 9000	49.9	52.9	54.4	54.4	55.1	55.1	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.5	55.5
≥ 8000	52.3	55.5	57.2	57.2	58.1	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.9	58.9
≥ 7000	53.1	56.8	58.5	59.1	59.4	59.8	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.2	60.2
≥ 6000	55.3	58.9	60.6	61.3	61.5	61.9	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.4	62.4
≥ 5000	57.0	60.9	62.6	63.2	63.4	63.9	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.3	64.3
≥ 4500	58.3	62.2	63.9	64.5	64.7	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.6	65.6
≥ 4000	59.4	64.1	66.0	66.7	66.9	67.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.7	67.7
≥ 3500	63.0	68.2	70.1	70.8	71.0	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.8	71.8
≥ 3000	66.9	72.7	74.6	75.3	75.5	75.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.3	76.3
≥ 2500	67.7	74.2	76.3	77.0	77.2	77.6	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	78.1	78.1
≥ 2000	69.7	76.3	78.7	79.4	79.6	80.0	80.0	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.6	80.6
≥ 1800	69.9	77.0	79.4	80.0	80.2	80.6	80.6	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.3	81.3
≥ 1500	70.1	77.4	79.8	80.4	80.9	81.3	81.3	81.9	81.9	82.2	82.2	82.2	82.2	82.2	82.4	82.4
≥ 1200	71.2	79.4	81.9	82.6	83.0	83.4	83.4	84.1	84.3	84.5	84.5	84.5	84.5	84.5	84.7	84.7
≥ 1000	71.4	80.9	83.4	84.1	84.5	84.9	85.2	85.8	86.0	86.2	86.5	86.5	86.5	86.5	86.7	86.7
≥ 900	71.4	80.9	83.4	84.1	84.5	84.9	85.2	85.8	86.0	86.2	86.5	86.5	86.5	86.5	86.7	86.7
≥ 800	71.4	80.9	83.4	84.1	84.5	84.9	85.2	85.8	86.0	86.2	86.5	86.5	86.5	86.5	86.7	86.7
≥ 700	71.8	81.5	84.1	84.7	85.2	85.8	86.0	86.9	87.3	87.5	87.8	87.8	87.8	87.8	88.0	88.0
≥ 600	72.0	81.7	84.3	85.4	86.2	87.1	88.6	89.9	90.3	90.8	91.2	91.2	91.2	91.2	91.4	91.4
≥ 500	72.0	81.7	84.3	85.4	86.2	87.1	88.6	89.9	90.3	90.8	91.2	91.2	91.2	91.2	91.4	91.4
≥ 400	72.0	81.7	84.3	85.4	86.2	87.1	88.6	89.9	90.3	90.8	91.2	91.2	91.2	91.2	91.4	91.4
≥ 300	72.0	81.9	84.5	85.6	86.9	88.2	90.5	92.9	93.3	93.8	94.2	94.6	94.6	94.6	94.8	94.8
≥ 200	72.0	81.9	84.5	85.6	86.9	88.2	90.5	92.9	93.3	93.8	94.2	94.6	94.6	94.6	94.8	94.8
≥ 100	72.0	81.9	84.5	85.6	86.9	88.2	90.5	92.9	93.3	93.8	94.2	94.6	94.6	94.6	94.8	94.8
≥ 0	72.0	81.9	84.5	85.6	86.9	88.2	90.5	92.9	93.3	93.8	94.2	94.6	94.6	94.6	94.8	94.8

TOTAL NUMBER OF OBSERVATIONS 465



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

70,73-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	42.3	45.3	45.6	45.9	46.4	46.5	46.9	47.1	47.1	47.2	47.2	47.2	47.3	47.3	47.3	47.3
≥ 20000	45.2	48.5	48.8	49.0	49.5	49.7	50.2	50.5	50.5	50.6	50.6	50.6	50.7	50.7	50.7	50.7
IV 18000	45.3	48.6	48.9	49.1	49.7	49.8	50.3	50.6	50.6	50.7	50.7	50.7	50.9	50.9	50.9	50.9
IV 16000	45.3	48.6	48.9	49.1	49.7	49.8	50.3	50.6	50.6	50.7	50.7	50.7	50.9	50.9	50.9	50.9
IV 14000	45.7	49.0	49.3	49.5	50.1	50.2	50.7	51.0	51.0	51.1	51.1	51.1	51.2	51.2	51.2	51.2
IV 12000	47.1	50.5	50.7	51.0	51.5	51.6	52.2	52.4	52.4	52.6	52.6	52.6	52.7	52.7	52.7	52.7
IV 10000	48.4	52.3	53.1	53.3	53.9	54.0	54.5	54.8	54.8	54.9	54.9	54.9	55.0	55.0	55.0	55.0
IV 9000	48.9	53.1	53.9	54.1	54.7	54.8	55.3	55.6	55.6	55.7	55.7	55.7	55.8	55.8	55.8	55.8
IV 8000	52.2	56.9	57.8	58.2	58.7	59.0	59.6	59.9	59.9	60.0	60.0	60.0	60.2	60.2	60.2	60.2
IV 7000	53.1	57.9	58.8	59.2	59.8	60.0	60.7	61.1	61.1	61.2	61.2	61.2	61.3	61.3	61.3	61.3
IV 6000	54.0	59.0	59.9	60.3	60.9	61.2	61.9	62.3	62.3	62.4	62.4	62.4	62.5	62.5	62.5	62.5
IV 5000	56.4	62.0	62.9	63.4	64.2	64.5	65.1	65.5	65.5	65.7	65.7	65.7	65.8	65.8	65.8	65.8
IV 4500	57.8	64.0	65.0	65.5	66.3	66.6	67.2	67.6	67.6	67.8	67.8	67.8	67.9	67.9	67.9	67.9
IV 4000	59.4	65.5	66.8	67.4	68.4	68.7	69.3	69.7	69.7	69.9	69.9	69.9	70.0	70.0	70.0	70.0
IV 3500	61.6	68.7	70.0	70.5	71.6	72.0	72.6	73.0	73.0	73.1	73.1	73.1	73.3	73.3	73.3	73.3
IV 3000	66.1	73.5	74.8	75.4	76.4	76.8	77.5	77.9	77.9	78.0	78.0	78.0	78.1	78.1	78.1	78.1
IV 2500	67.0	75.0	76.4	76.9	78.2	78.6	79.3	79.7	79.7	79.8	79.9	79.9	80.1	80.1	80.1	80.1
IV 2000	68.3	77.1	78.8	79.6	81.0	81.7	82.6	83.0	83.0	83.1	83.2	83.2	83.4	83.4	83.4	83.4
IV 1800	68.4	77.7	79.4	80.2	81.7	82.3	83.2	83.6	83.6	83.7	83.9	83.9	84.0	84.0	84.0	84.0
IV 1500	68.8	78.9	80.9	81.9	83.9	84.5	85.5	85.8	85.8	86.1	86.2	86.2	86.4	86.4	86.4	86.4
IV 1200	69.7	80.5	82.6	83.9	86.2	87.0	87.9	88.6	88.6	88.9	89.1	89.1	89.3	89.3	89.3	89.3
IV 1000	69.7	80.9	83.0	84.3	87.0	87.9	89.1	89.8	89.9	90.3	90.7	90.7	90.8	90.8	90.8	90.8
IV 900	69.7	80.9	83.0	84.3	87.0	87.9	89.1	89.8	89.9	90.3	90.7	90.7	90.8	90.8	90.8	90.8
IV 800	69.7	80.9	83.0	84.3	87.0	87.9	89.1	89.8	89.9	90.3	90.7	91.1	91.1	91.2	91.2	91.2
IV 700	69.9	81.1	83.4	84.8	87.5	88.5	89.9	90.8	91.0	91.3	91.7	91.7	91.9	91.9	91.9	91.9
IV 600	69.9	81.1	83.5	84.9	87.8	88.7	90.4	91.6	91.7	92.1	92.5	92.5	92.7	92.7	92.7	92.7
IV 500	69.9	81.1	83.6	85.1	88.1	89.0	90.7	92.0	92.3	92.7	93.1	93.2	93.3	93.3	93.3	93.3
IV 400	69.9	81.1	83.6	85.1	88.1	89.1	91.3	92.8	93.1	93.8	94.5	94.6	94.8	94.9	95.0	95.2
IV 300	69.9	81.1	83.6	85.1	88.3	89.4	92.0	93.8	94.1	95.0	95.7	95.8	96.3	96.6	96.9	97.1
IV 200	69.9	81.1	83.6	85.2	88.5	89.5	92.1	94.0	94.4	95.3	96.3	96.5	97.1	97.5	98.0	98.3
IV 100	69.9	81.1	83.6	85.2	88.6	89.6	92.3	94.2	94.6	95.5	96.6	96.7	97.8	98.2	99.3	99.9
IV 0	69.9	81.1	83.6	85.2	88.6	89.6	92.3	94.2	94.6	95.5	96.6	96.7	97.8	98.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 763



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

70,73-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	45.1	48.2	48.7	49.5	49.6	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.9
≥ 18000	48.8	52.9	53.5	54.3	54.6	54.7	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.2
≥ 16000	48.8	53.1	53.7	54.5	54.8	54.9	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.4
≥ 14000	49.2	53.5	54.2	54.9	55.3	55.4	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.8
≥ 12000	50.8	55.4	56.1	56.9	57.2	57.5	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.9
≥ 10000	52.5	57.1	58.1	59.1	59.4	59.6	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.1
≥ 9000	53.3	58.0	59.0	60.0	60.3	60.5	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.0
≥ 8000	56.3	62.2	63.3	64.4	64.8	65.1	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.8
≥ 7000	57.7	63.7	64.9	66.1	66.6	66.9	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.5
≥ 6000	58.4	64.5	65.7	67.0	67.7	68.0	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.6
≥ 5000	60.1	66.8	68.0	69.3	70.1	70.4	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.1
≥ 4500	60.9	67.9	69.1	70.5	71.4	71.7	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4
≥ 4000	62.7	69.7	70.9	72.5	73.7	74.1	74.3	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.0
≥ 3500	64.7	72.4	73.7	75.2	76.4	76.9	77.1	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.9
≥ 3000	66.8	74.7	76.1	77.9	79.2	79.7	80.0	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.9
≥ 2500	67.8	76.5	78.1	80.0	81.5	82.0	82.5	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.7
≥ 2000	69.0	78.2	80.0	82.1	83.7	84.4	85.0	85.7	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.2
≥ 1800	69.1	78.4	80.3	82.5	84.0	84.8	85.3	86.1	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.5
≥ 1500	69.5	79.4	81.3	83.8	85.6	86.4	87.2	87.9	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.5
≥ 1200	70.5	81.3	83.3	86.0	88.3	89.3	90.4	91.2	91.3	91.7	91.7	91.7	91.7	91.7	91.7	92.0
≥ 1000	70.8	81.7	83.8	86.7	89.4	90.6	91.7	92.8	93.0	93.5	93.5	93.5	93.6	93.6	93.8	94.0
≥ 900	70.8	81.7	83.8	86.7	89.4	90.6	91.7	92.8	93.1	93.8	93.8	93.8	93.9	93.9	94.0	94.2
≥ 800	70.8	81.7	83.8	86.7	89.4	90.6	91.8	92.9	93.2	93.9	93.9	94.0	94.1	94.1	94.2	94.4
≥ 700	70.8	81.8	83.9	86.8	89.6	90.8	92.0	93.1	93.4	94.1	94.2	94.3	94.4	94.6	94.7	95.0
≥ 600	70.8	81.8	83.9	87.0	89.9	91.1	92.3	93.8	94.1	94.7	95.0	95.1	95.3	95.5	95.7	95.9
≥ 500	70.8	81.9	84.0	87.1	90.0	91.3	92.5	94.0	94.5	95.2	95.4	95.5	95.9	96.2	96.4	96.6
≥ 400	70.8	81.9	84.0	87.1	90.0	91.3	92.7	94.2	94.7	95.4	95.7	95.8	96.3	96.5	96.7	96.9
≥ 300	70.8	81.9	84.0	87.1	90.0	91.3	92.9	95.1	95.6	96.5	97.1	97.3	97.8	98.0	98.2	98.5
≥ 200	70.8	81.9	84.0	87.1	90.0	91.3	92.9	95.1	95.7	96.7	97.4	97.6	98.8	99.2	99.5	99.7
≥ 100	70.8	81.9	84.0	87.1	90.0	91.3	92.9	95.1	95.7	96.7	97.4	97.6	98.8	99.2	99.5	99.8
≥ 0	70.8	81.9	84.0	87.1	90.0	91.3	92.9	95.1	95.7	96.7	97.4	97.6	98.8	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 912



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

70,73-81  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	45.5 50.1	47.4 53.2	47.6 53.4	47.9 53.7	48.0 53.9	48.0 53.9	48.1 54.1	48.1 54.1	48.1 54.1	48.1 54.1	48.1 54.1	48.1 54.1	48.1 54.1	48.1 54.1	48.1 54.1	48.1 54.1
IV 18000 IV 16000	50.3 50.3	53.5 53.5	53.7 53.7	54.2 54.2	54.4 54.4	54.4 54.4	54.5 54.5	54.5 54.5	54.5 54.5	54.5 54.5	54.5 54.5	54.5 54.5	54.5 54.5	54.5 54.5	54.5 54.5	54.5 54.5
IV 14000 IV 12000	51.0 52.6	54.2 55.8	54.4 56.0	54.8 56.5	55.0 56.7	55.0 56.7	55.2 56.8	55.2 56.8	55.2 56.8	55.2 56.8	55.2 56.8	55.2 56.8	55.2 56.8	55.2 56.8	55.2 56.8	55.2 56.8
IV 10000 IV 9000	54.5 55.3	58.2 59.0	58.4 59.4	59.0 60.0	59.3 60.3	59.4 60.4	59.5 60.5	59.5 60.5	59.5 60.5	59.5 60.5	59.5 60.5	59.5 60.5	59.5 60.5	59.5 60.5	59.5 60.5	59.5 60.5
IV 8000 IV 7000	57.1 58.3	61.5 63.7	62.4 64.6	62.9 65.1	63.4 65.6	63.5 65.7	63.7 65.9	63.8 66.0	63.8 66.0	63.8 66.0	63.8 66.0	63.8 66.0	63.8 66.0	63.8 66.0	63.8 66.0	63.8 66.0
IV 6000 IV 5000	59.3 61.2	64.7 67.4	65.6 68.3	66.4 69.3	66.9 69.8	67.0 70.0	67.2 70.2	67.3 70.4	67.3 70.4	67.3 70.4	67.3 70.4	67.3 70.4	67.3 70.4	67.3 70.4	67.3 70.4	67.3 70.4
IV 4500 IV 4000	61.8 64.5	68.3 70.8	69.4 71.9	70.5 73.0	71.1 73.7	71.2 73.9	71.4 74.1	71.6 74.3	71.6 74.3	71.6 74.5	71.6 74.5	71.6 74.5	71.6 74.5	71.6 74.5	71.6 74.5	71.6 74.5
IV 3500 IV 3000	67.7 69.7	75.0 77.7	76.1 79.1	77.3 80.4	78.0 81.3	78.3 81.7	78.5 82.0	78.8 82.6	78.8 82.6	78.9 82.7	78.9 82.7	78.9 82.7	78.9 82.7	78.9 82.7	78.9 82.7	78.9 82.7
IV 2500 IV 2000	71.2 72.0	79.3 81.0	80.7 82.9	82.0 84.3	82.9 85.2	83.4 85.7	83.8 86.1	84.3 86.7	84.3 86.7	84.4 86.8	84.4 86.8	84.4 86.8	84.4 86.8	84.4 86.8	84.4 86.8	84.4 86.8
IV 1800 IV 1500	72.3 72.9	81.3 82.1	83.1 84.0	84.6 85.6	85.5 86.7	86.1 87.3	86.4 87.6	87.1 88.3	87.1 88.4	87.2 88.8	87.2 88.8	87.2 88.8	87.2 88.8	87.2 88.8	87.2 88.8	87.2 88.8
IV 1200 IV 1000	73.5 73.6	83.1 83.6	85.1 85.7	86.8 87.7	87.9 89.0	88.5 89.6	88.9 90.0	89.7 91.1	90.0 91.7	90.6 92.7	90.7 92.9	90.7 92.9	90.7 92.9	90.7 92.9	90.7 92.9	90.7 92.9
IV 900 IV 800	73.6 73.6	83.6 83.6	85.9 85.9	87.9 87.9	89.3 89.3	89.9 90.0	90.4 90.5	91.4 91.6	92.0 92.1	93.1 93.4	93.3 93.6	93.3 93.6	93.3 93.6	93.3 93.6	93.3 93.6	93.3 93.6
IV 700 IV 600	73.7 73.7	83.7 83.7	86.1 86.1	88.2 88.2	89.5 89.5	90.2 90.4	90.7 90.8	91.8 92.2	92.3 92.8	93.8 94.4	94.2 95.2	94.3 95.4	94.3 95.5	94.3 95.5	94.3 95.5	94.3 95.5
IV 500 IV 400	73.7 73.7	83.7 83.7	86.2 86.2	88.4 88.6	89.9 90.1	90.8 91.0	91.2 91.4	92.8 93.0	93.3 93.8	95.0 95.4	95.8 96.3	96.2 96.6	96.3 96.8	96.4 96.9	96.5 97.1	96.5 97.1
IV 300 IV 200	73.7 73.7	83.7 83.7	86.2 86.2	88.6 88.6	90.2 90.2	91.1 91.1	91.9 91.9	93.5 93.6	94.5 94.7	96.4 96.7	97.5 97.8	97.9 98.8	98.1 99.1	98.2 99.2	98.5 99.5	98.6 99.6
IV 100 IV 0	73.7 73.7	83.7 83.7	86.2 86.2	88.6 88.6	90.2 90.2	91.1 91.1	91.9 91.9	93.6 93.6	94.7 94.7	96.7 96.7	97.8 97.8	98.8 98.8	99.3 99.3	99.5 99.5	99.7 99.8	99.8 100.0

TOTAL NUMBER OF OBSERVATIONS 912



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14783  
STATION

WESTOVER AFB MA  
STATION NAME

70,73-81  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	44.7	46.3	46.5	46.7	46.7	46.8	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 20000	49.1	51.2	51.4	51.5	51.5	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 18000	49.1	51.2	51.4	51.5	51.5	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 16000	49.1	51.2	51.4	51.5	51.5	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 14000	50.4	52.7	52.9	53.0	53.0	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 12000	52.4	54.9	55.1	55.2	55.2	55.3	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 10000	55.8	58.7	58.9	59.1	59.1	59.2	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 9000	56.6	59.7	60.0	60.3	60.4	60.5	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 8000	58.7	62.5	63.3	63.6	63.7	63.8	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 7000	60.7	64.5	65.4	66.0	66.2	66.3	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 6000	61.1	64.9	65.8	66.4	66.7	66.8	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 5000	62.6	67.3	68.2	68.8	69.3	69.4	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 4500	63.8	69.0	69.9	70.7	71.1	71.2	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 4000	66.3	71.8	72.8	73.9	74.3	74.5	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3500	69.7	75.1	76.1	77.4	78.0	78.3	78.4	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 3000	71.2	77.6	78.6	79.9	80.9	81.1	81.2	81.3	81.4	81.7	81.8	81.8	81.8	81.8	81.8	81.8
≥ 2500	72.9	79.9	80.9	81.8	82.8	83.1	83.2	83.3	83.4	83.6	83.8	83.8	83.8	83.8	83.8	83.8
≥ 2000	74.2	82.2	83.4	85.3	86.5	86.9	87.2	87.5	87.6	87.8	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1800	74.6	82.8	84.0	85.9	87.2	87.6	87.8	88.1	88.3	88.5	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1500	75.0	83.3	84.7	86.8	88.1	88.6	88.9	89.4	89.8	90.0	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1200	75.0	83.5	85.0	87.3	88.8	89.2	89.6	90.6	91.1	91.3	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1000	75.7	83.6	85.2	87.8	89.6	90.0	90.3	91.7	92.4	92.9	93.2	93.3	93.3	93.4	93.4	93.4
≥ 900	75.1	83.8	85.4	88.0	89.9	90.3	90.9	92.2	93.0	93.4	93.7	93.9	94.0	94.0	94.0	94.0
≥ 800	75.1	83.8	85.4	88.0	89.9	90.5	91.1	92.4	93.2	93.6	94.1	94.2	94.3	94.3	94.3	94.3
≥ 700	75.1	83.8	85.4	88.1	90.1	90.7	91.3	93.2	94.1	94.5	95.0	95.1	95.2	95.2	95.2	95.2
≥ 600	75.1	83.8	85.4	88.1	90.2	90.8	91.4	93.5	94.4	94.8	95.4	95.5	95.6	95.6	95.6	95.6
≥ 500	75.1	83.8	85.4	88.1	90.3	91.0	91.8	94.0	95.1	95.5	96.3	96.4	96.5	96.6	96.6	96.6
≥ 400	75.1	83.8	85.4	88.1	90.3	91.0	92.1	94.4	95.6	96.0	96.9	97.1	97.4	97.5	97.5	97.5
≥ 300	75.1	83.8	85.4	88.1	90.3	91.0	92.1	94.5	95.9	96.6	97.5	97.7	98.1	98.4	98.4	98.4
≥ 200	75.1	83.8	85.4	88.1	90.3	91.0	92.1	94.5	95.9	96.7	97.7	97.9	98.6	98.8	98.8	98.8
≥ 100	75.1	83.8	85.4	88.1	90.3	91.0	92.1	94.5	95.9	96.7	97.7	97.9	98.7	98.9	99.0	99.6
≥ 0	75.1	83.8	85.4	88.1	90.3	91.0	92.1	94.5	95.9	96.7	97.7	97.9	98.8	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 911



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14723

WESTOVER AFB MA

70,73-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING - 20000	49.3	51.0	51.3	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
IV 18000	53.3	55.8	56.1	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 16000	53.3	55.8	56.1	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 14000	53.8	56.2	56.5	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 12000	54.2	57.0	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 10000	57.4	60.7	61.0	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 9000	58.2	61.5	61.8	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 8000	60.5	64.1	64.4	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 7000	61.6	66.0	66.4	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 6000	62.5	67.0	67.4	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 5000	64.1	68.8	69.3	69.5	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 4500	65.6	70.8	71.2	71.5	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 4000	67.2	73.4	74.0	74.5	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 3500	68.2	75.1	75.6	76.2	76.5	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 3000	70.0	77.9	78.6	79.1	79.7	79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 2500	71.9	80.1	80.9	81.6	82.5	82.7	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 2000	73.3	82.3	83.2	84.1	85.2	85.3	85.8	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 1800	73.9	83.1	84.1	85.0	86.1	86.3	86.8	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 1500	74.3	84.5	85.9	87.0	88.4	88.6	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1200	74.3	85.0	86.6	88.0	89.7	89.9	91.3	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1000	74.3	85.1	86.7	88.3	90.5	90.7	92.1	92.6	93.2	93.4	93.5	93.5	93.5	93.5	93.5	93.5
IV 900	74.3	85.1	86.7	88.3	90.7	91.0	92.5	93.1	93.7	94.0	94.1	94.2	94.2	94.2	94.2	94.2
IV 800	74.3	85.1	86.9	88.5	90.9	91.2	92.8	93.5	94.2	94.4	94.6	94.7	94.7	94.7	94.7	94.7
IV 700	74.3	85.2	87.0	88.6	91.0	91.3	93.0	94.2	95.0	95.3	95.5	95.6	95.6	95.6	95.6	95.6
IV 600	74.3	85.5	87.4	89.0	91.9	92.4	94.3	95.5	96.4	96.7	96.9	97.0	97.0	97.0	97.0	97.0
IV 500	74.3	85.5	87.4	89.1	92.1	92.6	94.5	95.7	96.6	96.9	97.1	97.3	97.3	97.3	97.3	97.3
IV 400	74.3	85.6	87.5	89.2	92.2	92.8	94.6	95.9	96.8	97.3	97.5	97.6	97.6	97.6	97.6	97.6
IV 300	74.3	85.6	87.5	89.2	92.4	93.0	95.0	96.4	97.3	97.8	98.0	98.1	98.1	98.1	98.2	98.2
IV 200	74.3	85.6	87.5	89.2	92.4	93.0	95.1	96.5	97.5	98.1	98.8	99.0	99.0	99.0	99.1	99.3
IV 100	74.3	85.6	87.5	89.2	92.4	93.0	95.1	96.5	97.7	98.5	99.2	99.5	99.5	99.6	99.7	100.0
IV 0	74.3	85.6	87.5	89.2	92.4	93.0	95.1	96.5	97.7	98.5	99.2	99.5	99.5	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 911



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14713

WESTOVER AFB MA

70,73-81

USE WITH CAUTION  
SEE FIRST PAGE

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	49.1	51.8	52.5	52.5	52.5	52.6	52.7	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 20000	52.3	55.5	56.1	56.1	56.1	56.3	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 18000	52.3	55.5	56.1	56.1	56.1	56.3	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 16000	52.3	55.5	56.1	56.1	56.1	56.3	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 14000	53.1	56.3	56.9	56.9	56.9	57.0	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 12000	53.4	57.0	57.7	57.7	57.7	57.8	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 10000	55.2	59.3	59.9	59.9	59.9	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 9000	55.3	59.9	60.6	60.6	60.6	60.7	60.8	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 8000	58.4	62.7	63.3	63.3	63.3	63.4	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 7000	59.8	64.6	65.3	65.3	65.3	65.4	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 6000	60.3	65.3	65.9	65.9	65.9	66.1	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 5000	62.1	67.1	67.8	67.8	67.8	67.9	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 4500	63.4	68.4	69.2	69.2	69.2	69.3	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 4000	65.0	70.9	71.7	71.7	71.8	71.9	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3500	65.8	71.8	72.6	72.6	72.7	72.8	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 3000	67.8	74.5	75.6	75.6	76.0	76.2	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 2500	69.7	76.8	77.9	78.1	78.5	78.7	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 2000	71.5	79.4	81.1	81.3	81.9	82.2	82.6	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1800	72.3	80.5	82.2	82.5	83.0	83.4	83.8	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1500	72.6	81.7	83.7	84.1	85.0	85.4	85.9	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 1200	73.6	83.2	85.1	86.0	87.5	88.0	88.5	89.8	89.9	89.9	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1000	73.8	83.7	86.2	87.3	89.3	89.9	90.5	92.3	92.7	92.8	93.1	93.1	93.1	93.1	93.1	93.1
≥ 900	73.8	83.9	86.4	87.6	89.7	90.3	90.9	92.7	93.2	93.3	93.6	93.6	93.6	93.6	93.6	93.6
≥ 800	73.8	83.9	86.6	87.7	89.9	90.6	91.3	93.1	93.6	93.9	94.3	94.3	94.3	94.3	94.3	94.3
≥ 700	73.8	84.1	86.8	88.0	90.3	91.0	91.6	93.7	94.3	94.6	95.2	95.2	95.2	95.2	95.2	95.2
≥ 600	73.8	84.1	86.8	88.3	90.9	91.5	92.3	94.4	94.9	95.3	96.2	96.2	96.2	96.2	96.5	96.5
≥ 500	73.8	84.1	86.8	88.3	91.0	91.6	92.4	94.5	95.0	95.4	96.3	96.3	96.7	96.7	96.7	96.7
≥ 400	73.8	84.2	86.9	88.4	91.1	91.8	92.7	94.8	95.3	95.8	96.7	96.9	97.3	97.3	97.3	97.3
≥ 300	73.8	84.3	87.1	88.5	91.4	92.0	93.0	95.0	95.6	96.2	97.1	97.4	98.0	98.0	98.3	98.3
≥ 200	73.8	84.3	87.1	88.5	91.4	92.0	93.1	95.2	96.0	96.6	97.5	97.8	98.4	98.4	98.7	99.1
≥ 100	73.8	84.3	87.1	88.5	91.4	92.0	93.1	95.2	96.2	96.9	98.0	98.3	99.0	99.0	99.2	100.0
≥ 0	73.8	84.3	87.1	88.5	91.4	92.0	93.1	95.2	96.2	96.9	98.0	98.3	99.0	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 766



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

70,73-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.8	48.2	48.6	48.8	49.0	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.3	49.3	49.3	49.3
≥ 20000	49.5	52.4	52.9	53.1	53.3	53.4	53.5	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7
≥ 18000	49.6	52.5	53.0	53.2	53.4	53.5	53.6	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 16000	49.6	52.5	53.0	53.2	53.4	53.5	53.6	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 14000	50.2	53.2	53.7	53.9	54.1	54.2	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 12000	51.3	54.5	55.0	55.3	55.5	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.9	55.9	55.9
≥ 10000	53.4	57.0	57.6	57.9	58.2	58.3	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.6	58.6	58.6
≥ 9000	54.2	57.9	58.5	58.9	59.2	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.6
≥ 8000	56.7	60.9	61.8	62.2	62.5	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.1	63.1	63.1	63.1
≥ 7000	58.0	62.7	63.6	64.1	64.4	64.6	64.8	64.9	64.9	64.9	64.9	64.9	65.0	65.0	65.0	65.0
≥ 6000	59.0	63.7	64.6	65.2	65.6	65.7	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.2	66.2	66.2
≥ 5000	60.8	66.1	67.0	67.6	68.1	68.2	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.7
≥ 4500	62.0	67.5	68.5	69.2	69.7	69.8	70.0	70.2	70.2	70.2	70.2	70.2	70.3	70.3	70.3	70.3
≥ 4000	63.8	69.8	70.9	71.7	72.3	72.5	72.7	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 3500	66.1	72.5	73.6	74.5	75.1	75.4	75.6	75.8	75.9	75.9	75.9	75.9	75.9	76.0	76.0	76.0
≥ 3000	68.5	75.5	76.8	77.6	78.4	78.8	79.0	79.3	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.5
≥ 2500	69.8	77.3	78.7	79.6	80.5	80.9	81.2	81.5	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.8
≥ 2000	71.3	79.6	81.2	82.4	83.4	83.9	84.3	84.8	84.8	84.9	84.9	84.9	85.0	85.0	85.0	85.0
≥ 1800	71.7	80.1	81.8	83.0	84.0	84.5	84.9	85.4	85.5	85.6	85.6	85.6	85.6	85.7	85.7	85.7
≥ 1500	72.1	81.2	83.1	84.3	85.7	86.1	86.7	87.3	87.4	87.6	87.6	87.6	87.7	87.7	87.7	87.7
≥ 1200	72.7	82.3	84.2	85.8	87.4	87.9	88.7	89.5	89.7	89.9	90.0	90.0	90.1	90.1	90.1	90.1
≥ 1000	72.8	82.8	84.8	86.6	88.6	89.2	90.0	91.0	91.4	91.8	92.1	92.1	92.1	92.2	92.2	92.2
≥ 900	72.8	82.8	84.9	86.7	88.7	89.4	90.3	91.4	91.8	92.3	92.5	92.5	92.6	92.6	92.6	92.7
≥ 800	72.8	82.8	85.0	86.8	88.8	89.5	90.5	91.7	92.2	92.8	93.1	93.1	93.2	93.2	93.2	93.2
≥ 700	72.9	83.0	85.2	87.0	89.1	89.9	90.9	92.4	92.9	93.5	93.8	93.9	94.0	94.0	94.0	94.1
≥ 600	72.9	83.0	85.3	87.2	89.5	90.4	91.5	93.1	93.7	94.3	94.8	94.9	95.0	95.1	95.1	95.2
≥ 500	72.9	83.1	85.3	87.3	89.7	90.6	91.8	93.5	94.1	94.8	95.3	95.4	95.6	95.7	95.8	95.9
≥ 400	72.9	83.1	85.4	87.3	89.8	90.8	92.2	94.0	94.7	95.4	96.0	96.2	96.5	96.6	96.7	96.8
≥ 300	72.9	83.1	85.4	87.4	90.0	90.9	92.4	94.6	95.3	96.2	96.9	97.1	97.5	97.7	97.9	98.0
≥ 200	72.9	83.1	85.4	87.4	90.0	90.9	92.5	94.7	95.6	96.5	97.4	97.8	98.3	98.6	98.8	99.2
≥ 100	72.9	83.1	85.4	87.4	90.0	90.9	92.5	94.8	95.7	96.7	97.7	98.0	98.7	99.0	99.3	99.9
≥ 0	72.9	83.1	85.4	87.4	90.0	90.9	92.5	94.8	95.7	96.7	97.7	98.0	98.7	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 6106



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

14703

WESTOVER AFB MA

70,73-76,78

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	46.1	48.6	48.9	48.9	48.9	49.2	49.2	50.0	50.0	50.0	50.0	50.0	50.0	50.3	50.3	50.3
≥ 20000	48.9	52.0	52.2	52.2	52.2	52.5	52.5	53.4	53.4	53.4	53.4	53.4	53.4	53.7	53.7	53.7
≥ 18000	48.9	52.0	52.2	52.2	52.2	52.5	52.5	53.4	53.4	53.4	53.4	53.4	53.4	53.7	53.7	53.7
≥ 16000	48.9	52.0	52.2	52.2	52.2	52.5	52.5	53.4	53.4	53.4	53.4	53.4	53.4	53.7	53.7	53.7
≥ 14000	49.2	52.2	52.5	52.5	52.5	52.8	52.8	53.7	53.7	53.7	53.7	53.7	53.7	53.9	53.9	53.9
≥ 12000	49.2	52.2	52.5	52.5	52.5	52.8	52.8	53.7	53.7	53.7	53.7	53.7	53.7	53.9	53.9	53.9
≥ 10000	52.0	55.1	55.3	55.3	55.3	55.6	55.6	56.5	56.5	56.5	56.5	56.5	56.5	56.7	56.7	56.7
≥ 9000	53.1	56.5	56.7	56.7	56.7	57.0	57.0	57.9	57.9	57.9	57.9	57.9	57.9	58.1	58.1	58.1
≥ 8000	54.8	58.7	59.3	59.3	59.3	59.6	59.6	60.4	60.4	60.4	60.4	60.4	60.4	60.7	60.7	60.7
≥ 7000	55.6	59.6	60.1	60.1	60.1	60.4	60.4	61.2	61.2	61.2	61.2	61.2	61.2	61.5	61.5	61.5
≥ 6000	56.7	61.0	61.5	61.5	61.5	61.8	61.8	62.6	62.6	62.6	62.6	62.6	62.6	62.9	62.9	62.9
≥ 5000	61.0	65.2	65.7	65.7	65.7	66.0	66.0	66.9	66.9	66.9	66.9	66.9	66.9	67.1	67.1	67.1
≥ 4500	62.1	66.3	66.9	66.9	66.9	67.1	67.1	68.0	68.0	68.0	68.0	68.0	68.0	68.3	68.3	68.3
≥ 4000	64.3	68.8	69.4	69.4	69.4	69.7	69.7	70.5	70.5	70.5	70.5	70.5	70.5	70.8	70.8	70.8
≥ 3500	66.3	71.9	72.5	72.5	72.5	73.0	73.0	73.9	73.9	73.9	73.9	73.9	73.9	74.2	74.2	74.2
≥ 3000	69.1	75.3	75.8	76.1	76.7	77.2	77.8	78.7	78.7	78.7	78.7	78.7	78.7	78.9	78.9	78.9
≥ 2500	71.3	77.5	78.1	78.4	78.9	79.5	80.1	80.9	80.9	80.9	80.9	80.9	80.9	81.2	81.2	81.2
≥ 2000	74.2	80.3	81.5	82.3	82.9	83.4	84.0	84.8	84.8	84.8	84.8	84.8	84.8	85.1	85.1	85.1
≥ 1800	74.4	80.9	82.0	82.9	83.4	84.0	84.6	85.4	85.4	85.4	85.4	85.4	85.4	85.7	85.7	85.7
≥ 1500	75.1	81.7	83.1	84.1	85.4	86.0	86.5	87.4	87.4	87.4	87.4	87.4	87.4	87.6	87.6	87.6
≥ 1200	75.0	82.0	83.4	84.8	86.0	86.5	87.4	88.2	88.2	88.2	88.2	88.2	88.2	88.5	88.5	88.5
≥ 1000	75.3	82.3	83.7	85.1	86.5	87.1	87.9	88.8	89.0	89.0	89.3	89.3	89.3	89.6	89.6	89.6
≥ 900	75.3	82.3	83.7	85.4	86.8	87.4	88.2	89.0	89.6	89.6	89.6	89.9	89.9	90.2	90.2	90.2
≥ 800	75.3	82.3	83.7	85.4	86.8	87.4	88.2	89.0	89.6	89.9	90.2	90.2	90.2	90.4	90.4	90.4
≥ 700	75.3	82.3	83.7	85.7	87.1	87.6	88.5	89.3	90.2	91.0	91.3	91.3	91.3	91.6	91.6	91.6
≥ 600	75.3	82.3	83.7	85.7	87.1	87.6	88.5	89.3	90.2	91.0	91.3	91.3	91.3	91.6	91.6	91.6
≥ 500	75.3	82.3	83.7	86.2	87.9	88.8	89.9	91.0	92.1	93.0	93.3	93.5	94.1	94.1	94.1	94.1
≥ 400	75.3	82.3	83.7	86.2	88.5	89.3	90.4	91.9	93.0	94.1	94.7	94.9	95.5	95.5	96.1	96.1
≥ 300	75.3	82.3	83.7	86.2	88.5	89.3	90.4	91.9	93.0	94.4	95.2	95.5	96.3	96.3	96.9	96.9
≥ 200	75.3	82.3	83.7	86.2	88.5	89.3	90.4	92.1	93.3	94.7	95.5	95.8	96.9	96.9	97.5	97.8
≥ 100	75.3	82.3	83.7	86.2	88.5	89.3	90.4	92.1	93.3	94.7	95.5	95.8	97.2	97.2	97.8	99.7
≥ 0	75.3	82.3	83.7	86.2	88.5	89.3	90.4	92.1	93.3	94.7	95.5	95.8	97.2	97.2	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 356



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14773

WESTOVER AFB MA

70,73-76,78

USE WITH CAUTION  
SEE FIRST PAGE

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	42.7	44.5	45.4	45.7	45.7	45.7	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	46.5	46.8
≥ 20000	45.1	47.9	48.7	49.0	49.0	49.0	49.0	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.9	50.1
≥ 18000	45.1	47.9	48.7	49.0	49.0	49.0	49.0	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.9	50.1
≥ 16000	45.1	47.9	48.7	49.0	49.0	49.0	49.0	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.9	50.1
≥ 14000	45.7	48.5	49.3	49.6	49.6	49.6	49.6	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.4	50.7
≥ 12000	45.9	48.7	49.6	49.9	49.9	49.9	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.7	51.0
≥ 10000	47.9	50.7	51.5	51.8	51.8	51.8	51.8	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.7	52.9
≥ 9000	48.7	51.5	52.4	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.5	53.8
≥ 8000	51.0	53.8	55.2	55.7	55.7	55.7	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.6	56.9
≥ 7000	52.4	55.2	56.6	57.1	57.1	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	58.0	58.3
≥ 6000	53.5	57.1	58.5	59.1	59.1	59.1	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.9	60.2
≥ 5000	57.1	60.8	62.2	62.7	62.7	62.7	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.6	63.9
≥ 4500	58.8	62.5	63.9	64.4	64.4	64.4	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	65.3	65.5
≥ 4000	62.5	66.4	67.8	68.3	68.3	68.3	68.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	69.2	69.5
≥ 3500	65.3	69.7	71.4	72.0	72.0	72.0	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.8	73.1
≥ 3000	68.3	73.4	75.1	75.9	76.5	76.5	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	77.3	77.6
≥ 2500	70.3	75.6	77.3	78.2	78.7	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.6	79.8
≥ 2000	72.8	78.7	80.4	81.5	82.1	82.1	82.1	82.6	82.6	82.6	82.6	82.6	82.6	82.6	83.2	83.5
≥ 1800	72.8	78.7	80.4	81.5	82.1	82.1	82.1	82.6	82.6	82.6	82.6	82.6	82.6	82.6	83.2	83.5
≥ 1500	73.4	79.6	81.8	82.9	83.5	83.5	83.5	84.3	84.6	84.6	84.6	84.6	84.6	84.6	85.2	85.4
≥ 1200	73.7	80.1	82.6	84.3	85.2	86.3	86.3	86.8	87.4	87.4	87.4	87.4	87.4	87.4	88.0	88.2
≥ 1000	73.9	80.4	82.9	84.6	85.4	86.6	86.6	87.1	87.7	88.0	88.0	88.0	88.0	88.0	88.5	88.8
≥ 900	73.9	80.4	82.9	84.6	85.4	86.6	86.8	87.7	88.2	89.1	89.1	89.1	89.1	89.1	89.6	89.9
≥ 800	73.9	80.7	83.2	85.2	86.0	87.1	87.7	88.5	89.1	89.9	89.9	89.9	89.9	89.9	90.5	90.8
≥ 700	73.9	81.2	83.8	85.7	86.6	87.7	88.2	89.4	89.9	90.8	90.8	90.8	90.8	90.8	91.3	91.6
≥ 600	73.9	81.8	84.6	86.8	87.7	88.8	89.4	90.5	91.0	92.7	92.7	92.7	92.7	92.7	93.3	93.6
≥ 500	73.9	81.8	84.9	87.4	88.5	89.9	90.8	91.9	92.4	94.1	94.7	94.7	94.7	95.0	95.5	95.8
≥ 400	73.9	81.8	84.9	87.4	88.5	90.2	91.0	92.2	92.7	94.7	95.5	95.5	95.5	95.8	96.4	96.6
≥ 300	73.9	81.8	84.9	87.4	88.5	90.2	91.0	92.2	92.7	94.7	95.8	95.8	95.8	96.1	96.6	97.2
≥ 200	73.9	81.8	84.9	87.4	88.5	90.2	91.0	92.2	92.7	94.7	95.8	95.8	95.8	96.4	97.2	98.0
≥ 100	73.9	81.8	84.9	87.4	88.5	90.2	91.0	92.2	92.7	94.7	95.8	95.8	95.8	96.4	97.2	98.0
≥ 0	73.9	81.8	84.9	87.4	88.5	90.2	91.0	92.2	92.7	94.7	95.8	95.8	95.8	96.4	97.2	98.0

TOTAL NUMBER OF OBSERVATIONS 357



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

14793

WESTOVER AFB MA

70,73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING ≥ 20000	44.5	47.9	48.2	48.6	48.9	48.9	48.9	48.9	49.0	49.0	49.2	49.2	49.2	49.2	49.2	49.3
≥ 18000	48.6	52.4	52.7	53.2	53.9	53.9	53.9	53.9	54.0	54.0	54.2	54.2	54.2	54.2	54.2	54.5
≥ 16000	49.7	52.9	53.2	53.6	54.3	54.3	54.3	54.3	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.9
≥ 14000	49.7	52.9	53.2	53.6	54.3	54.3	54.3	54.3	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.9
≥ 12000	49.8	53.6	53.9	54.3	55.1	55.1	55.1	55.1	55.2	55.2	55.4	55.4	55.4	55.4	55.4	55.7
≥ 10000	50.8	54.6	55.2	55.7	56.4	56.4	56.4	56.4	56.5	56.5	56.7	56.7	56.7	56.7	56.7	57.0
≥ 9000	53.9	58.0	58.6	59.0	59.8	59.8	59.8	59.8	59.9	59.9	60.1	60.1	60.1	60.1	60.1	60.4
≥ 8000	55.1	59.2	59.8	60.5	61.2	61.2	61.2	61.2	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.8
≥ 7000	56.5	61.4	62.0	62.8	63.7	63.7	63.7	63.7	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.3
≥ 6000	57.4	62.6	63.1	64.0	65.1	65.1	65.1	65.1	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.6
≥ 5000	58.7	64.0	64.6	65.6	66.7	66.8	66.8	66.8	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.4
≥ 4500	60.9	67.4	68.0	69.2	70.2	70.3	70.3	70.3	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.9
≥ 4000	61.7	68.1	68.7	69.9	70.9	71.2	71.2	71.4	71.5	71.5	71.7	71.7	71.7	71.7	71.7	72.0
≥ 3500	62.4	69.2	69.8	71.1	72.1	72.4	72.4	72.5	72.8	72.8	73.0	73.0	73.0	73.0	73.1	73.4
≥ 3000	63.4	70.5	71.1	72.5	73.6	73.9	73.9	74.0	74.4	74.4	74.6	74.6	74.6	74.6	74.7	75.2
≥ 2500	66.1	74.2	75.0	76.7	77.7	78.0	78.0	78.1	78.6	78.6	78.7	78.7	78.7	78.7	78.9	79.3
≥ 2000	67.3	75.5	76.4	78.0	79.0	79.3	79.3	79.6	80.0	80.0	80.2	80.2	80.2	80.2	80.3	80.8
≥ 1800	68.0	76.5	77.5	79.6	80.8	81.1	81.2	81.8	82.2	82.2	82.4	82.4	82.4	82.4	82.5	83.0
≥ 1500	68.1	76.7	77.7	79.7	81.1	81.4	81.5	82.1	82.7	82.7	82.8	82.8	82.8	82.8	83.0	83.4
≥ 1200	68.4	78.4	79.4	81.5	83.1	83.7	84.0	84.7	85.3	85.5	85.8	85.8	85.9	85.9	86.0	86.5
≥ 1000	68.9	79.4	80.8	83.0	85.0	85.8	86.0	87.1	87.8	88.1	88.5	88.5	88.8	88.8	89.0	89.4
≥ 900	69.0	80.2	81.5	84.0	86.8	88.1	88.4	89.7	90.5	91.0	91.9	91.9	92.2	92.2	92.4	92.8
≥ 800	69.0	80.5	81.8	84.6	87.5	89.1	89.4	90.7	91.5	92.1	93.0	93.0	93.2	93.2	93.4	93.8
≥ 700	69.0	80.6	82.1	85.0	88.0	89.6	89.9	91.2	92.2	93.0	93.8	94.0	94.3	94.3	94.4	94.9
≥ 600	69.0	80.8	82.2	85.3	88.3	90.0	90.3	91.6	92.7	93.4	94.3	94.6	94.9	94.9	95.0	95.6
≥ 500	69.0	80.9	82.4	85.5	88.4	90.5	90.7	92.2	93.4	94.1	95.0	95.3	95.6	95.6	95.7	96.3
≥ 400	69.0	80.9	82.5	85.6	88.7	90.7	91.0	92.7	93.8	94.6	95.6	95.9	96.2	96.2	96.3	96.9
≥ 300	69.0	80.9	82.5	85.6	88.7	90.7	91.0	93.0	94.3	95.4	96.6	96.9	97.2	97.4	97.5	98.2
≥ 200	69.0	80.9	82.5	85.6	88.7	90.7	91.0	93.0	94.3	95.6	96.9	97.2	97.8	97.9	98.2	99.3
≥ 100	69.0	80.9	82.5	85.6	88.7	90.7	91.0	93.0	94.3	95.6	96.9	97.2	97.8	97.9	98.2	99.9
≥ 0	69.0	80.9	82.5	85.6	88.7	90.7	91.0	93.0	94.3	95.6	96.9	97.2	97.8	97.9	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 681



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

70,73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	46.6	49.8	53.3	50.7	51.1	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.4
≥ 18000	52.0	56.1	56.8	57.5	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.4
≥ 16000	52.1	56.2	56.9	57.7	58.2	58.2	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.5
≥ 14000	53.6	58.1	58.8	59.5	60.1	60.1	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.4
≥ 12000	55.2	60.0	60.9	61.6	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.4
≥ 10000	56.9	62.5	63.3	64.1	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9
≥ 9000	57.4	63.1	63.9	64.7	65.2	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.5
≥ 8000	59.2	65.7	66.8	67.9	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8
≥ 7000	60.1	66.8	67.9	69.2	70.0	70.0	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.5
≥ 6000	61.2	68.1	69.2	70.5	71.3	71.3	71.4	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9
≥ 5000	62.5	69.9	71.1	72.5	73.4	73.4	73.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.0
≥ 4500	63.2	70.9	72.1	73.7	74.6	74.6	74.7	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.2
≥ 4000	64.7	72.7	74.0	75.7	76.6	76.6	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2
≥ 3500	66.2	74.5	75.8	77.5	78.5	78.5	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.1
≥ 3000	67.9	76.4	77.8	79.5	80.5	80.5	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.1
≥ 2500	69.0	77.8	79.4	81.0	82.1	82.2	82.3	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	83.0
≥ 2000	69.5	78.8	80.4	82.4	83.5	84.0	84.1	84.7	84.8	84.8	84.9	84.9	84.9	84.9	84.9	85.1
≥ 1800	69.6	79.1	80.8	82.8	84.0	84.5	84.6	85.2	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.5
≥ 1500	70.3	80.3	82.0	84.0	85.2	85.8	86.1	86.7	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.3
≥ 1200	71.2	82.1	83.9	86.1	87.7	88.6	89.0	89.7	90.0	90.2	90.4	90.4	90.4	90.4	90.4	90.5
≥ 1000	71.3	82.6	84.6	87.0	88.7	89.9	90.5	91.3	91.7	91.9	92.2	92.2	92.2	92.2	92.2	92.3
≥ 900	71.3	83.0	85.3	87.7	89.6	90.7	91.3	92.2	92.5	92.8	93.0	93.0	93.0	93.0	93.0	93.1
≥ 800	71.3	83.2	85.4	87.9	89.9	91.1	91.7	92.5	92.9	93.2	93.5	93.5	93.5	93.5	93.5	93.6
≥ 700	71.3	83.3	85.6	88.4	90.5	91.7	92.3	93.1	93.6	94.0	94.2	94.3	94.3	94.3	94.3	94.4
≥ 600	71.3	83.4	86.0	88.7	90.9	92.1	92.6	93.5	94.0	94.4	94.7	95.0	95.4	95.4	95.4	95.5
≥ 500	71.3	83.4	86.1	88.8	91.3	92.5	93.4	94.2	94.8	95.3	95.5	96.0	96.3	96.3	96.3	96.4
≥ 400	71.3	83.4	86.1	89.1	91.7	92.9	93.7	94.7	95.4	95.8	96.1	96.6	96.9	96.9	96.9	97.0
≥ 300	71.3	83.4	86.1	89.1	91.7	92.9	94.0	95.0	95.8	96.4	96.9	97.6	98.1	98.2	98.2	98.3
≥ 200	71.3	83.4	86.1	89.1	91.7	92.9	94.2	95.3	96.2	96.8	97.3	98.1	98.6	98.8	99.2	99.3
≥ 100	71.3	83.4	86.1	89.1	91.7	92.9	94.2	95.3	96.2	96.8	97.4	98.2	99.1	99.4	99.8	99.9
≥ 0	71.3	83.4	86.1	89.1	91.7	92.9	94.2	95.3	96.2	96.8	97.4	98.2	99.1	99.4	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 843



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

70,73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥3/16	¼	≥0
NO CEILING	48.2	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 20000	55.4	58.0	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 18000	55.4	58.0	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 16000	55.4	58.0	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 14000	56.0	58.6	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 12000	58.2	61.6	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 10000	59.4	63.0	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 9000	59.9	63.5	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 8000	62.5	66.2	66.8	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 7000	63.9	67.7	68.3	68.3	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 6000	65.0	69.0	69.9	70.0	70.3	70.3	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 5000	66.2	70.5	71.3	71.5	71.9	71.9	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 4500	66.8	71.3	72.1	72.4	72.7	72.7	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 4000	68.8	73.4	74.3	74.5	74.9	74.9	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3500	72.1	77.0	77.9	78.2	78.5	78.5	78.6	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 3000	73.9	79.4	80.3	80.5	80.9	81.0	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 2500	75.3	81.6	82.6	82.8	83.3	83.5	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 2000	76.0	83.2	84.3	84.6	85.2	85.5	85.9	86.0	86.1	86.5	86.5	86.5	86.5	86.6	86.6	86.6
≥ 1800	76.2	83.5	84.7	84.9	85.5	85.9	86.2	86.4	86.5	86.8	86.8	86.8	86.8	87.0	87.0	87.0
≥ 1500	77.5	85.5	86.7	87.0	87.7	88.0	88.6	89.0	89.1	89.4	89.4	89.4	89.6	89.6	89.6	89.6
≥ 1200	77.9	86.5	87.7	87.9	88.6	89.1	89.8	90.2	90.3	90.7	90.9	90.9	91.0	91.0	91.0	91.0
≥ 1000	78.1	87.3	88.7	89.1	89.9	90.4	91.2	91.7	91.8	92.3	92.4	92.4	92.6	92.6	92.6	92.6
≥ 900	78.1	87.4	88.8	89.7	90.5	91.0	91.9	92.4	92.5	93.0	93.1	93.1	93.4	93.4	93.4	93.4
≥ 800	78.1	87.4	89.0	89.8	90.7	91.3	92.4	92.9	93.1	93.6	93.7	93.7	94.0	94.0	94.0	94.0
≥ 700	78.1	87.5	89.1	89.9	91.0	91.7	92.8	93.4	93.6	94.1	94.3	94.3	94.5	94.5	94.5	94.5
≥ 600	78.1	87.5	89.1	90.0	91.1	91.9	93.0	93.7	94.0	94.5	94.9	94.9	95.1	95.1	95.1	95.1
≥ 500	78.1	87.7	89.2	90.2	91.5	92.3	93.4	94.2	94.4	95.0	95.5	95.5	95.8	95.8	95.8	95.8
≥ 400	78.1	87.7	89.2	90.2	91.5	92.5	93.8	94.8	95.1	95.7	96.2	96.3	97.0	97.2	97.2	97.2
≥ 300	78.1	87.7	89.2	90.2	91.6	92.9	94.2	95.3	96.0	96.6	97.5	97.7	98.7	99.1	99.1	99.1
≥ 200	78.1	87.7	89.2	90.2	91.6	92.9	94.2	95.3	96.0	96.7	97.6	97.9	98.9	99.4	99.4	99.4
≥ 100	78.1	87.7	89.2	90.2	91.6	92.9	94.2	95.3	96.0	96.7	97.6	98.0	99.1	99.5	99.5	99.6
0	78.1	87.7	89.2	90.2	91.6	92.9	94.2	95.3	96.0	96.7	97.6	98.0	99.1	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 843

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AID WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

70,73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING ≥ 20000	48.4 56.0	50.3 58.5	50.4 58.6	50.7 58.8	50.8 59.0	50.8 59.0	50.8 59.0	50.8 59.0	50.8 59.0	50.8 59.0	50.8 59.0	50.8 59.0	50.8 59.0	50.8 59.0	50.8 59.0	50.8 59.0
≥ 18000 IV 16000	56.7 56.0	58.5 58.5	58.6 58.6	58.8 58.8	59.0 59.0	59.0 59.0	59.0 59.0	59.0 59.0	59.0 59.0	59.0 59.0	59.0 59.0	59.0 59.0	59.0 59.0	59.0 59.0	59.0 59.0	59.0 59.0
IV 14000 IV 12000	56.5 59.0	59.0 61.7	59.1 61.8	59.3 62.0	59.4 62.2	59.4 62.2	59.4 62.2	59.4 62.2	59.4 62.2	59.4 62.2	59.4 62.2	59.4 62.2	59.4 62.2	59.4 62.2	59.4 62.2	59.4 62.2
IV 10000 IV 9000	61.0 61.6	63.7 64.3	63.8 64.4	64.1 64.7	64.2 64.8	64.2 64.8	64.2 64.8	64.2 64.8	64.2 64.8	64.2 64.8	64.2 64.8	64.2 64.8	64.2 64.8	64.2 64.8	64.2 64.8	64.2 64.8
IV 8000 IV 7000	64.3 65.0	67.5 68.7	67.7 69.0	68.0 69.3	68.1 69.4	68.1 69.4	68.1 69.4	68.1 69.4	68.1 69.4	68.1 69.4	68.1 69.4	68.1 69.4	68.1 69.4	68.1 69.4	68.1 69.4	68.1 69.4
IV 6000 IV 5000	66.5 68.1	70.2 72.4	70.6 72.7	70.8 73.0	70.9 73.1	70.9 73.1	70.9 73.1	71.1 73.4	71.1 73.4	71.1 73.4	71.1 73.4	71.1 73.4	71.1 73.4	71.1 73.4	71.1 73.4	71.1 73.4
IV 4500 IV 4000	68.9 70.7	73.2 75.1	73.7 75.6	73.9 75.8	74.0 75.9	74.0 75.9	74.0 75.9	74.4 76.3	74.4 76.3	74.4 76.3	74.4 76.3	74.4 76.3	74.4 76.3	74.4 76.3	74.4 76.3	74.4 76.3
IV 3500 IV 3000	72.1 75.0	76.6 79.7	77.1 80.2	77.3 80.4	77.5 80.9	77.5 80.9	77.5 80.9	77.8 81.3	77.8 81.3	77.8 81.3	77.8 81.3	77.8 81.3	77.8 81.3	77.8 81.3	77.8 81.3	77.8 81.3
IV 2500 IV 2000	75.8 77.0	81.9 83.7	82.6 84.6	82.9 85.2	83.4 85.8	83.4 86.0	83.4 86.0	83.7 86.4	83.7 86.4	83.7 86.4	83.7 86.4	83.7 86.4	83.7 86.4	83.7 86.4	83.7 86.4	83.7 86.4
IV 1800 IV 1500	77.0 77.8	84.0 85.4	85.2 86.7	85.8 87.4	86.5 88.3	86.7 88.6	86.7 88.7	87.1 89.1	87.1 89.1	87.1 89.2	87.1 89.2	87.1 89.3	87.1 89.3	87.1 89.3	87.1 89.3	87.1 89.3
IV 1200 IV 1000	78.2 78.2	86.6 87.3	87.9 88.8	88.7 89.9	89.9 91.2	90.4 91.7	90.9 92.3	91.3 92.8	91.5 93.0	91.7 93.2	91.7 93.2	91.8 93.4	91.8 93.6	91.8 93.6	91.8 93.7	91.8 93.7
IV 900 IV 800	78.2 78.2	87.3 87.3	88.8 88.8	90.4 90.4	91.7 91.9	92.3 92.5	92.9 93.1	93.5 94.2	93.7 94.4	94.0 94.7	94.0 94.7	94.1 94.8	94.3 95.0	94.3 95.0	94.4 95.1	94.4 95.1
IV 700 IV 600	78.2 78.2	87.3 87.3	88.8 88.8	90.4 90.4	92.2 92.2	92.8 92.9	93.4 93.6	94.7 94.9	94.9 95.3	95.3 95.3	95.3 95.4	95.6 95.6	95.6 95.6	95.6 95.7	95.7 95.7	95.7 95.7
IV 500 IV 400	78.2 78.2	87.3 87.3	88.8 88.8	90.7 90.7	92.8 92.8	93.5 93.7	94.2 94.5	95.7 96.3	96.2 96.8	97.2 97.7	97.3 98.1	97.4 98.2	97.9 98.7	97.9 98.7	98.0 98.7	98.0 98.8
IV 300 IV 200	78.2 78.2	87.3 87.3	88.8 88.8	90.7 90.7	92.8 92.8	93.7 93.7	94.5 94.5	96.3 96.3	96.8 96.8	97.7 97.7	98.1 98.2	98.3 98.5	98.9 99.1	98.9 99.1	99.2 99.5	99.3 99.8
IV 100 IV 0	78.2 78.2	87.3 87.3	88.8 88.8	90.7 90.7	92.8 92.8	93.7 93.7	94.5 94.5	96.3 96.3	96.8 96.8	97.7 97.7	98.2 98.2	98.5 98.5	99.2 99.2	99.3 99.3	99.8 99.8	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 843



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

70,73-81  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	51.4	54.9	55.1	55.2	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 20000	56.2	59.9	60.0	60.2	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 18000	56.4	60.0	60.2	60.3	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 16000	56.6	60.3	60.4	60.5	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 14000	57.1	61.0	61.1	61.2	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 12000	59.7	64.3	64.4	64.6	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 10000	61.4	66.3	66.5	66.6	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 9000	63.1	68.1	68.3	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 8000	64.8	70.5	70.6	70.7	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 7000	65.5	71.6	71.7	71.8	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 6000	66.2	72.4	72.7	72.8	72.9	72.9	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 5000	68.3	74.7	74.9	75.0	75.1	75.1	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 4500	69.3	75.9	76.1	76.2	76.3	76.3	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 4000	70.7	77.5	77.8	77.9	78.0	78.0	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 3500	71.8	79.1	79.3	79.4	79.7	79.7	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3000	73.6	81.7	82.0	82.2	82.8	82.8	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 2500	74.8	83.5	83.8	84.2	84.8	84.8	84.9	85.1	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.4
≥ 2000	76.0	85.4	86.0	86.3	86.9	86.9	87.3	87.5	87.6	87.6	87.6	87.6	87.6	87.8	87.8	87.8
≥ 1800	76.1	85.5	86.1	86.4	87.0	87.0	87.5	87.8	87.9	87.9	87.9	87.9	87.9	88.0	88.0	88.0
≥ 1500	76.5	86.2	87.0	87.5	88.1	88.2	88.7	89.1	89.2	89.2	89.2	89.2	89.2	89.3	89.3	89.3
≥ 1200	76.7	87.2	88.0	88.7	89.5	89.7	90.1	90.5	90.6	90.6	90.6	90.6	90.6	90.7	90.7	90.7
≥ 1000	77.1	87.8	88.6	89.8	90.8	91.0	91.6	91.9	92.0	92.0	92.0	92.0	92.0	92.2	92.2	92.2
≥ 900	77.2	88.0	88.8	90.1	91.2	91.4	92.2	92.6	92.7	92.7	92.7	92.7	92.7	92.9	92.9	92.9
≥ 800	77.2	88.2	89.5	90.8	91.9	92.2	93.0	93.7	93.8	93.8	93.8	93.8	93.8	94.1	94.1	94.1
≥ 700	77.2	88.5	89.9	91.4	92.7	93.0	93.8	94.8	94.9	95.0	95.1	95.2	95.4	95.6	95.6	95.6
≥ 600	77.2	88.6	90.1	91.9	93.2	93.5	94.4	95.5	95.7	95.8	96.1	96.2	96.3	96.6	96.6	96.6
≥ 500	77.2	88.6	90.1	91.9	93.3	93.6	94.6	96.2	96.4	96.6	96.8	97.0	97.1	97.4	97.4	97.4
≥ 400	77.2	88.6	90.1	91.9	93.3	93.7	94.8	96.7	96.9	97.0	97.4	97.6	97.7	98.0	98.0	98.0
≥ 300	77.2	88.6	90.2	92.0	93.5	93.8	94.9	96.9	97.3	97.5	98.0	98.2	98.3	98.6	98.6	98.6
≥ 200	77.2	88.6	90.2	92.0	93.5	93.8	94.9	97.0	97.4	97.6	98.3	98.6	98.8	99.0	99.2	99.3
≥ 100	77.2	88.6	90.2	92.2	93.6	93.9	95.0	97.1	97.5	97.7	98.5	98.7	98.9	99.2	99.3	99.8
≥ 0	77.2	88.6	90.2	92.2	93.6	93.9	95.0	97.1	97.5	97.7	98.5	98.7	98.9	99.2	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 841



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

70,73-81

USE WITH CAUTION  
SEE FIRST PAGE

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	50.9	54.4	54.4	54.4	54.7	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 18000	53.4	57.0	57.0	57.0	57.2	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 16000	53.6	57.1	57.1	57.1	57.4	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 14000	54.1	57.7	57.7	57.7	58.0	58.1	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 12000	55.9	59.6	59.6	59.6	59.9	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 10000	57.2	61.1	61.1	61.1	61.4	61.5	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 9000	58.4	62.3	62.3	62.3	62.6	62.7	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 8000	62.1	66.7	66.7	66.9	67.2	67.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 7000	62.9	67.6	67.6	67.8	68.0	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 6000	63.9	68.6	68.6	68.8	69.1	69.2	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 5000	65.7	70.9	70.9	71.3	71.6	71.7	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4500	67.5	72.8	72.8	73.2	73.5	73.7	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 4000	69.5	75.0	75.0	75.4	75.7	75.9	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 3500	70.9	76.9	76.9	77.5	78.1	78.3	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 3000	73.7	79.9	80.2	80.9	81.7	81.8	82.1	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 2500	74.4	80.9	81.2	82.0	82.8	83.0	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 2000	75.7	82.4	83.1	83.9	84.9	85.4	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 1800	76.2	82.8	83.6	84.3	85.4	85.8	86.1	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 1500	77.1	85.1	86.2	87.1	88.3	88.8	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1200	77.8	86.8	88.2	89.2	90.5	91.4	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1000	78.7	88.2	89.5	90.5	92.0	92.9	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 900	78.7	88.3	89.6	90.7	92.2	93.0	93.3	93.6	93.6	93.6	93.6	93.8	93.8	93.8	93.8	93.8
≥ 800	78.7	88.3	89.9	91.3	92.8	93.8	94.1	94.4	94.5	94.5	94.5	94.7	94.7	94.7	94.7	94.7
≥ 700	78.7	88.3	90.1	91.4	93.0	94.1	94.4	94.8	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1
≥ 600	78.7	88.6	90.5	92.0	93.8	94.8	95.6	96.0	96.2	96.2	96.3	96.4	96.4	96.4	96.4	96.4
≥ 500	78.7	88.9	90.8	92.5	94.2	95.4	96.2	96.7	97.0	97.0	97.2	97.3	97.3	97.5	97.5	97.6
≥ 400	78.7	88.9	90.8	92.5	94.2	95.7	96.4	97.2	97.6	97.6	97.9	98.1	98.1	98.2	98.2	98.4
≥ 300	78.7	88.9	90.8	92.5	94.2	95.7	96.6	97.3	97.9	98.1	98.4	98.5	98.8	99.1	99.1	99.3
≥ 200	78.7	88.9	90.8	92.5	94.2	95.7	96.6	97.3	98.1	98.2	98.5	98.7	99.1	99.4	99.6	99.7
≥ 100	78.7	88.9	90.8	92.5	94.2	95.7	96.7	97.5	98.2	98.4	98.7	98.8	99.3	99.6	99.7	99.9
≥ 0	78.7	88.9	90.8	92.5	94.2	95.7	96.7	97.5	98.2	98.4	98.7	98.8	99.3	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 676



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14 703

WESTOVER AFB MA

70,73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	47.8	50.7	50.9	51.1	51.3	51.3	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6
≥ 20000	52.9	56.2	56.5	56.8	57.0	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.3	57.3	57.4
≥ 18000	53.0	56.3	56.6	56.9	57.1	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.5
≥ 16000	53.0	56.3	56.7	56.9	57.2	57.2	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.5	57.5
≥ 14000	53.7	57.1	57.5	57.7	58.0	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3
≥ 12000	55.5	59.2	59.6	59.9	60.1	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.4	60.4	60.4
≥ 10000	57.4	61.4	61.8	62.0	62.3	62.3	62.3	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.6
≥ 9000	58.3	62.3	62.7	63.0	63.3	63.3	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.6
≥ 8000	60.6	65.1	65.7	66.0	66.4	66.4	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7
≥ 7000	61.5	66.3	66.8	67.3	67.6	67.7	67.7	67.9	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0
≥ 6000	62.6	67.6	68.2	68.7	69.0	69.1	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.5	69.5	69.6
≥ 5000	64.5	70.0	70.6	71.2	71.6	71.6	71.7	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.1	72.1
≥ 4500	65.6	71.1	71.7	72.3	72.7	72.8	72.8	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.3	73.3
≥ 4000	67.3	73.1	73.8	74.4	74.8	74.8	74.9	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.4
≥ 3500	69.1	75.2	75.9	76.6	77.0	77.1	77.2	77.5	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.8
≥ 3000	71.4	78.1	78.9	79.6	80.3	80.4	80.5	80.8	80.9	80.9	80.9	80.9	80.9	81.0	81.0	81.1
≥ 2500	72.6	79.6	80.7	81.5	82.2	82.3	82.5	82.8	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.1
≥ 2000	73.8	81.5	82.6	83.5	84.3	84.6	84.9	85.3	85.4	85.4	85.5	85.5	85.5	85.5	85.6	85.7
≥ 1800	73.9	81.8	82.9	83.9	84.7	85.0	85.3	85.7	85.8	85.8	85.9	85.9	85.9	86.0	86.0	86.1
≥ 1500	74.7	83.2	84.5	85.6	86.5	86.9	87.3	87.8	87.9	88.0	88.1	88.1	88.2	88.2	88.3	88.3
≥ 1200	75.1	84.4	85.8	87.0	88.2	88.8	89.3	89.8	90.1	90.2	90.3	90.3	90.4	90.5	90.5	90.6
≥ 1000	75.3	85.0	86.5	87.9	89.3	90.0	90.6	91.2	91.5	91.7	91.9	91.9	92.0	92.1	92.1	92.2
≥ 900	75.4	85.2	86.7	88.1	89.6	90.6	91.2	91.9	92.2	92.4	92.6	92.6	92.8	92.8	92.9	93.0
≥ 800	75.4	85.3	87.0	88.7	90.3	91.1	91.7	92.5	92.9	93.2	93.4	93.4	93.6	93.6	93.7	93.7
≥ 700	75.4	85.5	87.2	89.0	90.7	91.6	92.2	93.1	93.5	93.9	94.2	94.2	94.4	94.5	94.5	94.6
≥ 600	75.4	85.6	87.4	89.3	91.0	92.0	92.7	93.7	94.1	94.7	95.0	95.1	95.3	95.4	95.5	95.6
≥ 500	75.4	85.7	87.5	89.6	91.5	92.5	93.3	94.4	95.0	95.6	95.9	96.1	96.4	96.5	96.6	96.7
≥ 400	75.4	85.7	87.5	89.7	91.6	92.8	93.6	95.0	95.6	96.2	96.7	96.9	97.2	97.3	97.4	97.5
≥ 300	75.4	85.7	87.6	89.7	91.6	92.8	93.8	95.2	95.9	96.7	97.3	97.6	98.1	98.3	98.4	98.6
≥ 200	75.4	85.7	87.6	89.7	91.6	92.8	93.8	95.3	96.0	96.8	97.5	97.8	98.5	98.7	99.0	99.3
≥ 100	75.4	85.7	87.6	89.7	91.7	92.8	93.8	95.3	96.0	96.8	97.6	97.9	98.6	98.9	99.2	99.8
≥ 0	75.4	85.7	87.6	89.7	91.7	92.8	93.8	95.3	96.0	96.8	97.6	97.9	98.6	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 5440



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-75  
YEARS

USE WITH CAUTION  
SEE FIRST PAGE

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-3200  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	45.4	46.9	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.7
≥ 20000	47.3	48.8	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.7
≥ 18000	47.3	48.8	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.7
≥ 16000	47.3	48.8	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.7
≥ 14000	47.5	49.0	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.9
≥ 12000	48.2	49.7	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.5
≥ 10000	50.1	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.5
≥ 9000	50.5	52.0	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.9
≥ 8000	53.3	55.3	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.6
≥ 7000	55.3	57.6	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.9
≥ 6000	56.6	59.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.6
≥ 5000	60.2	63.0	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.3
≥ 4500	61.7	64.5	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.8
≥ 4000	66.2	69.5	70.5	70.5	70.5	70.5	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	71.2
≥ 3500	67.7	71.0	72.3	72.3	72.3	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.9
≥ 3000	69.9	73.5	75.1	75.1	75.3	75.3	75.5	75.5	75.5	75.5	75.7	75.7	75.7	75.7	75.7	76.1
≥ 2500	73.3	75.5	77.0	77.0	77.2	77.2	77.4	77.4	77.4	77.4	77.6	77.6	77.6	77.6	77.6	78.1
≥ 2000	71.6	77.8	79.4	79.4	79.6	79.6	80.0	80.0	80.0	80.0	80.2	80.2	80.2	80.2	80.2	80.6
≥ 1800	71.6	78.1	79.8	79.8	80.0	80.0	80.4	80.4	80.4	80.4	80.6	80.6	80.6	80.6	80.6	81.1
≥ 1500	71.6	78.3	80.4	80.6	80.9	80.9	81.5	81.5	81.7	81.9	81.9	81.9	81.9	81.9	81.9	82.4
≥ 1200	72.5	78.9	81.7	82.2	82.4	82.6	83.2	83.4	83.7	83.9	83.9	83.9	83.9	83.9	83.9	84.3
≥ 1000	72.5	79.4	82.4	83.7	83.9	84.7	85.4	86.0	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.9
≥ 900	72.5	79.4	82.4	83.7	83.9	84.7	85.8	86.5	87.3	87.5	87.5	87.5	87.5	87.5	87.5	88.0
≥ 800	72.5	79.6	83.0	84.3	84.5	85.4	86.5	87.3	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.8
≥ 700	72.7	80.2	83.9	85.2	85.4	86.5	88.2	89.0	89.9	90.1	90.3	90.3	90.3	90.3	90.3	90.8
≥ 600	72.7	80.2	84.1	85.4	85.6	86.9	89.0	89.9	90.8	91.0	91.2	91.2	91.2	91.2	91.2	91.6
≥ 500	72.7	80.4	84.3	85.6	85.8	87.5	89.7	91.0	91.8	92.0	92.3	92.3	92.3	92.3	92.3	92.7
≥ 400	72.7	80.4	84.3	85.6	86.2	88.2	90.8	92.3	93.3	93.8	94.0	94.0	94.0	94.0	94.0	94.4
≥ 300	72.7	80.4	84.3	85.6	86.2	88.2	91.2	93.1	94.4	94.8	95.3	95.5	95.5	95.5	95.5	96.6
≥ 200	72.7	80.4	84.3	85.6	86.2	88.2	91.2	93.1	94.4	94.8	95.5	95.7	96.3	96.3	96.3	97.4
≥ 100	72.7	80.4	84.3	85.6	86.2	88.2	91.2	93.1	94.4	94.8	95.7	95.9	97.0	97.0	97.4	98.9
≥ 0	72.7	80.4	84.3	85.6	86.2	88.2	91.2	93.1	94.4	94.8	95.7	95.9	97.2	97.2	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 465



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

17703

WESTOVER AFB MA

69-70,73-75

USE WITH CAUTION  
SEE FIRST PAGE

MAP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES:																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¼	≥0	
NO CEILING ≥ 20000	45.2 48.6	47.1 50.5	47.1 50.5	47.1 50.5	47.1 50.5	47.1 50.5	47.1 50.5	47.1 50.5	47.1 50.5	47.1 50.5	47.1 50.5	47.1 50.5	47.1 50.5	47.3 50.8	47.3 50.8	47.5 51.0	47.7 51.2
IV 18000 IV 6000	48.6 48.6	50.5 50.5	50.5 50.5	50.5 50.5	50.5 50.5	50.5 50.5	50.5 50.5	50.5 50.5	50.5 50.5	50.5 50.5	50.5 50.5	50.5 50.5	50.5 50.5	50.8 50.8	50.8 50.8	51.0 51.0	51.2 51.2
IV 14000 IV 12000	48.6 49.5	50.5 51.4	50.5 51.4	50.5 51.4	50.5 51.4	50.5 51.4	50.5 51.4	50.5 51.4	50.5 51.4	50.5 51.4	50.5 51.4	50.5 51.4	50.5 51.4	50.8 51.6	50.8 51.6	51.0 51.8	51.2 52.0
IV 10000 IV 9000	50.5 51.4	52.5 53.8	52.5 53.8	52.5 53.8	52.5 53.8	52.5 53.8	52.5 53.8	52.5 53.8	52.5 53.8	52.5 53.8	52.5 53.8	52.5 53.8	52.5 53.8	52.7 54.0	52.7 54.0	52.9 54.2	53.1 54.4
IV 8000 IV 7000	55.5 55.9	58.5 59.1	58.5 59.1	58.5 59.1	58.5 59.1	58.5 59.4	58.5 59.4	58.5 59.4	58.5 59.4	58.5 59.4	58.5 59.4	58.5 59.4	58.5 59.4	58.7 59.6	58.7 59.6	58.9 59.8	59.1 60.0
IV 6000 IV 5000	56.1 58.5	59.4 62.4	59.4 62.6	59.4 62.6	59.4 62.6	59.6 62.8	59.6 63.4	59.6 63.4	59.6 63.7	59.6 63.7	59.6 63.7	59.6 63.7	59.6 63.7	59.8 63.9	59.8 63.9	60.0 64.1	60.2 64.3
IV 4500 IV 4000	59.1 62.6	63.0 67.3	63.2 67.5	63.2 67.5	63.2 67.5	63.4 67.7	64.1 68.4	64.1 68.4	64.3 68.6	64.3 68.6	64.3 68.6	64.3 68.6	64.3 68.6	64.5 68.8	64.5 68.8	64.7 69.0	64.9 69.2
IV 3500 IV 3000	65.2 67.5	70.3 72.7	70.5 73.5	71.0 74.0	71.0 74.0	71.2 74.2	71.8 74.8	71.8 74.8	72.0 75.1	72.0 75.1	72.0 75.1	72.0 75.1	72.0 75.1	72.3 75.3	72.3 75.3	72.5 75.5	72.7 75.7
IV 2500 IV 2000	69.5 71.2	75.5 78.3	76.3 79.6	76.8 80.2	76.8 80.2	77.0 80.4	77.6 81.1	77.6 81.1	77.8 81.3	77.8 81.3	77.8 81.3	77.8 81.3	77.8 81.3	78.1 81.5	78.1 81.5	78.3 81.7	78.5 81.9
IV 1800 IV 1500	71.6 72.0	78.7 79.4	80.0 80.6	80.6 81.5	80.6 81.7	80.9 81.9	81.5 82.6	81.5 82.6	81.7 83.0	81.7 83.2	81.7 83.4	81.7 83.4	81.7 83.4	81.9 83.7	81.9 83.7	82.2 83.9	82.4 84.1
IV 1200 IV 1000	72.5 72.5	80.9 81.5	82.8 83.4	83.9 84.5	84.9 86.0	85.2 86.5	86.2 87.7	86.5 88.0	86.7 88.2	86.9 88.4	87.1 88.6	87.1 88.6	87.1 88.6	87.3 88.8	87.3 88.8	87.5 89.0	87.7 89.2
IV 900 IV 800	72.5 72.7	81.5 82.4	83.4 84.5	84.5 85.6	86.0 87.1	86.7 87.7	88.0 89.0	88.6 90.1	88.8 90.3	89.0 90.8	89.2 91.0	89.2 91.0	89.2 91.0	89.5 91.2	89.5 91.2	89.7 91.4	89.9 91.6
IV 700 IV 600	72.7 72.7	82.8 82.8	85.2 85.2	86.2 86.2	88.0 88.0	88.8 88.8	90.1 90.3	91.4 91.8	91.6 92.3	92.0 92.7	92.3 92.9	92.3 92.9	92.3 92.9	92.5 93.1	92.5 93.1	92.7 93.3	92.9 93.5
IV 500 IV 400	72.7 72.7	83.0 83.0	85.6 85.6	86.7 86.7	88.8 88.8	89.7 89.7	91.2 91.2	92.7 92.7	93.1 93.1	93.5 93.8	93.8 94.0	93.8 94.0	93.8 94.0	94.0 94.2	94.0 94.2	94.2 94.4	94.4 94.6
IV 300 IV 200	72.7 72.7	83.0 83.0	85.6 85.6	86.7 86.7	88.8 88.8	89.9 89.9	92.0 92.3	94.6 94.8	95.1 95.3	95.7 95.9	95.9 96.3	95.9 96.3	95.9 96.3	96.1 96.6	96.6 97.0	96.8 97.2	97.0 97.4
IV 100 0	72.7 72.7	83.0 83.0	85.6 85.6	86.7 86.7	88.8 88.8	90.1 90.1	92.3 92.3	94.8 94.8	95.7 95.7	96.3 96.3	96.8 96.8	96.8 96.8	96.8 96.8	97.0 97.0	97.4 97.4	98.5 98.5	98.9 100.0

TOTAL NUMBER OF OBSERVATIONS 465

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

USE WITH CAUTION  
SEE FIRST PAGE

MAP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

3600-0800  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.9	43.8	43.8	43.9	44.0	44.0	44.0	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 20000	44.9	48.3	48.4	48.5	48.6	48.6	48.6	48.6	48.8	48.8	48.8	48.8	48.8	48.9	48.9	48.9
≥ 18000	45.2	48.5	48.6	48.8	48.9	48.9	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.2	49.2	49.2
≥ 16000	45.2	48.5	48.6	48.8	48.9	48.9	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.2	49.2	49.2
≥ 14000	45.4	48.9	49.0	49.2	49.3	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.5	49.5	49.5
≥ 12000	46.7	50.3	50.5	50.6	50.7	50.7	50.7	50.7	50.8	50.8	50.8	50.8	50.8	51.0	51.0	51.0
≥ 10000	48.6	52.9	53.0	53.2	53.4	53.4	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.7	53.7	53.7
≥ 9000	48.9	53.7	53.8	54.1	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.6	54.6	54.6
≥ 8000	51.9	57.8	57.9	58.3	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.8	58.8	58.8
≥ 7000	53.0	59.1	59.2	59.6	59.8	59.8	60.0	60.0	60.1	60.2	60.2	60.2	60.2	60.4	60.4	60.4
≥ 6000	54.2	60.4	60.5	60.9	61.1	61.1	61.3	61.3	61.4	61.5	61.5	61.5	61.5	61.6	61.6	61.6
≥ 5000	56.4	62.8	62.9	63.3	63.6	63.6	63.7	63.7	63.8	64.0	64.1	64.1	64.2	64.2	64.2	64.2
≥ 4500	57.3	63.7	63.8	64.2	64.5	64.5	64.6	64.6	64.7	65.0	65.1	65.1	65.1	65.3	65.3	65.3
≥ 4000	58.4	65.0	65.1	65.6	65.9	65.9	66.0	66.0	66.2	66.4	66.5	66.5	66.5	66.7	66.7	66.7
≥ 3500	61.8	68.7	68.9	69.8	70.0	70.0	70.1	70.1	70.3	70.5	70.7	70.7	70.8	70.8	70.8	70.8
≥ 3000	63.1	70.8	71.0	72.2	72.5	72.5	72.6	72.7	72.8	73.1	73.2	73.2	73.4	73.4	73.4	73.4
≥ 2500	65.8	74.0	74.4	75.5	75.8	75.8	76.1	76.2	76.3	76.6	76.7	76.7	76.8	76.8	76.8	76.8
≥ 2000	67.7	76.2	76.6	77.9	78.1	78.2	78.6	78.8	79.0	79.3	79.5	79.5	79.7	79.7	79.7	79.8
≥ 1800	68.0	77.0	77.3	78.6	79.0	79.2	79.5	79.7	79.9	80.2	80.4	80.4	80.6	80.6	80.6	80.7
≥ 1500	68.5	78.1	78.8	80.2	80.7	81.0	81.3	81.6	81.9	82.1	82.4	82.4	82.5	82.5	82.5	82.6
≥ 1200	69.6	80.7	81.6	83.0	84.0	84.3	84.8	85.2	85.7	86.0	86.4	86.5	86.6	86.6	86.5	86.7
≥ 1000	69.6	81.0	82.1	84.3	85.5	85.8	86.6	87.3	87.8	88.2	88.5	88.8	88.9	88.9	88.9	89.1
≥ 900	69.6	81.6	82.9	85.1	86.2	86.6	87.4	88.0	88.5	89.1	89.4	89.7	89.8	89.8	89.8	90.0
≥ 800	69.6	81.7	83.1	85.6	87.0	87.4	88.2	89.2	89.7	90.2	90.6	90.9	91.0	91.0	91.0	91.1
≥ 700	69.6	81.7	83.4	86.0	88.2	88.5	89.3	90.5	91.1	91.6	92.1	92.4	92.8	92.8	92.8	92.9
≥ 600	69.6	81.7	83.5	86.1	88.3	88.9	89.8	91.4	92.0	92.5	93.1	93.3	93.7	93.8	93.8	94.0
≥ 500	69.6	81.7	83.7	86.4	88.9	89.6	90.6	92.1	92.8	93.4	94.0	94.2	94.7	94.9	94.9	95.0
≥ 400	69.6	81.7	83.7	86.4	88.9	89.7	91.0	92.8	93.6	94.2	95.0	95.2	95.9	96.0	96.0	96.1
≥ 300	69.6	81.7	83.7	86.4	88.9	89.7	91.0	93.1	93.8	94.7	95.6	95.9	96.5	96.7	96.9	97.0
≥ 200	69.6	81.7	83.8	86.5	89.1	90.0	91.2	93.6	94.3	95.5	96.5	96.9	97.7	97.8	98.1	98.7
≥ 100	69.6	81.7	83.8	86.5	89.1	90.0	91.2	93.6	94.5	95.6	96.9	97.4	98.2	98.3	98.7	99.9
≥ 0	69.6	81.7	83.8	86.5	89.1	90.0	91.2	93.6	94.5	95.6	96.9	97.4	98.3	98.5	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 777



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1703

WESTOVER AFB MA

69-70,73-80

MAC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

900-110  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 1/16
NO CEILING ≥ 20000	41.6	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 18000 N 6000	44.7	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 14000 N 2000	44.8	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 12000 N 9000	45.2	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 10000 N 7000	46.7	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 8000 N 5000	48.7	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 6000 N 4000	49.4	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 4500 N 3000	52.4	57.6	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 3500 N 2000	54.5	59.8	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 2500 N 1500	55.4	60.6	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 1800 N 1000	56.1	61.6	62.0	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 1200 N 800	57.5	63.1	63.5	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 900 N 600	60.2	66.1	66.7	66.9	66.9	66.9	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 700 N 400	64.2	70.4	71.0	71.2	71.2	71.2	71.3	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 500 N 300	67.3	74.2	74.8	75.2	75.2	75.2	75.3	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 300 N 200	69.6	77.2	78.0	78.3	78.3	78.4	78.5	78.5	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 100 N 0	71.3	79.5	80.2	80.6	80.6	80.8	80.9	81.2	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6
≥ 0	71.4	79.7	80.4	80.9	81.0	81.1	81.2	81.6	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0
≥ 0	72.6	81.5	82.3	82.8	83.0	83.1	83.3	83.9	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4
≥ 0	73.7	82.6	83.3	84.3	84.9	85.2	85.4	86.0	86.5	86.5	86.9	86.9	86.9	86.9	86.9	86.9
≥ 0	73.1	82.9	83.9	84.9	85.6	85.9	86.2	87.3	87.7	87.7	88.2	88.2	88.2	88.2	88.2	88.2
≥ 0	73.4	83.7	84.8	86.0	86.9	87.2	87.5	88.6	89.0	89.0	89.5	89.5	89.5	89.5	89.5	89.5
≥ 0	73.4	83.9	85.2	86.3	87.6	88.1	88.5	89.6	90.0	90.0	90.5	90.5	90.5	90.5	90.5	90.5
≥ 0	73.4	83.9	85.6	87.1	88.8	89.4	90.0	91.4	91.8	91.9	92.5	92.5	92.5	92.5	92.5	92.5
≥ 0	73.5	84.1	86.0	87.5	89.8	90.4	91.1	92.8	93.2	93.3	94.1	94.0	94.1	94.4	94.4	94.4
≥ 0	73.5	84.2	86.1	88.1	90.3	91.0	91.9	94.0	94.5	94.7	95.5	95.6	95.7	96.0	96.7	96.7
≥ 0	73.5	84.2	86.1	88.1	90.3	91.1	92.4	94.6	95.3	95.6	96.5	96.6	96.7	97.1	97.1	97.1
≥ 0	73.5	84.2	86.1	88.1	90.3	91.1	92.5	94.8	95.6	96.1	97.2	97.5	97.8	98.3	98.3	98.3
≥ 0	73.5	84.2	86.1	88.1	90.3	91.1	92.5	95.2	95.9	96.6	97.7	98.1	98.6	99.5	99.5	99.5
≥ 0	73.5	84.2	86.1	88.1	90.3	91.1	92.5	95.2	95.9	96.6	97.7	98.1	98.6	99.5	99.6	100.0
≥ 0	73.5	84.2	86.1	88.1	90.3	91.1	92.5	95.2	95.9	96.6	97.7	98.1	98.6	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS V

1473

WESTOVER AFB MA

69-70,73-87

STATION

STATION NAME

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES													
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16
NO CEILING	41.1	42.6	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 20000	45.9	47.6	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 18000	46.1	47.8	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 16000	46.2	48.0	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 14000	46.9	48.6	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
IV 12000	47.5	49.6	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 10000	50.0	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 9000	51.9	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 8000	53.3	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 7000	54.9	57.7	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 6000	55.6	58.4	58.8	58.8	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 5000	56.6	59.7	60.1	60.1	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 4500	59.5	62.6	63.1	63.0	63.1	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 4000	63.8	67.5	68.1	68.2	68.3	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 3500	68.1	71.9	72.5	72.6	72.8	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 3000	71.6	75.9	76.5	76.6	76.8	77.1	77.3	77.4	77.4	77.5	77.5	77.5	77.5	77.5
IV 2500	74.4	79.2	80.0	80.1	80.3	80.6	81.0	81.1	81.1	81.3	81.3	81.3	81.3	81.3
IV 2000	76.3	81.6	82.5	82.6	82.8	83.1	83.4	83.5	83.5	83.8	83.8	83.8	83.8	83.8
IV 1800	76.7	82.3	83.1	83.3	83.8	84.2	84.5	84.6	84.6	84.8	84.8	84.8	84.8	84.8
IV 1500	77.3	83.8	84.8	85.2	85.8	86.5	86.8	87.1	87.1	87.3	87.3	87.3	87.3	87.3
IV 1200	77.8	85.1	86.6	87.1	87.8	88.6	89.1	89.5	89.5	89.7	89.8	89.8	89.8	89.8
IV 1000	78.2	85.8	87.4	88.2	89.1	90.0	90.5	91.0	91.0	91.3	91.4	91.6	91.7	91.7
≥ 900	78.2	86.0	87.7	88.5	89.6	90.5	91.1	91.5	91.5	91.8	91.9	92.2	92.3	92.3
IV 800	78.2	86.1	88.4	89.6	90.9	91.9	92.5	93.0	93.0	93.3	93.4	93.7	93.8	93.8
IV 700	78.2	86.2	88.9	90.4	91.7	93.0	93.8	94.4	94.4	94.7	94.8	95.1	95.2	95.2
IV 600	78.2	86.3	89.4	90.9	92.2	93.4	94.3	95.3	95.4	95.7	95.8	96.0	96.2	96.2
IV 500	78.2	86.5	89.5	91.0	92.4	93.7	94.6	95.6	95.7	96.0	96.3	96.7	96.9	97.0
IV 400	78.2	86.5	89.5	91.0	92.6	93.9	94.9	96.1	96.3	96.7	97.0	97.3	97.5	97.5
IV 300	78.2	86.5	89.5	91.1	92.9	94.2	95.4	96.9	97.1	97.4	97.7	98.1	98.4	98.4
IV 200	78.2	86.5	89.5	91.1	92.9	94.3	95.5	97.0	97.3	97.6	98.1	98.5	99.1	99.1
IV 100	78.2	86.5	89.5	91.1	92.9	94.3	95.5	97.0	97.3	97.6	98.1	98.6	99.2	99.2
IV 0	78.2	86.5	89.5	91.1	92.9	94.3	95.5	97.0	97.3	97.6	98.1	98.6	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS

THE FIRST EDITION OF THIS FORM WAS OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14723  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

4AP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	43.8	44.6	44.6	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 18000 ≥ 15000	49.9	51.1	51.1	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 14000 ≥ 12000	50.0	51.2	51.2	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 10000 ≥ 8000	51.0	51.2	51.2	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 6000 ≥ 4000	50.3	51.9	51.9	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 3000 ≥ 1000	52.3	53.7	53.7	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 800 ≥ 400	54.0	55.6	55.6	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 200 ≥ 100	54.8	56.5	56.6	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 100 ≥ 50	57.3	59.4	59.6	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 50 ≥ 20	58.8	61.2	61.4	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 10 ≥ 5	59.5	61.8	62.0	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 5 ≥ 0	61.6	64.1	64.3	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 0 ≥ 0	63.7	66.1	66.3	66.8	66.8	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 0 ≥ 0	68.9	72.4	72.7	73.3	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 1500 ≥ 1000	71.9	75.6	75.9	76.6	76.6	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 1000 ≥ 500	74.3	78.6	78.9	79.7	79.9	80.0	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 500 ≥ 200	76.6	81.4	81.7	82.5	82.7	82.9	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 200 ≥ 100	78.2	83.9	84.3	85.1	85.3	85.5	85.6	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 100 ≥ 50	78.3	84.1	84.5	85.3	85.5	85.7	85.8	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 50 ≥ 0	78.7	85.4	85.8	86.7	87.0	87.3	87.4	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 1200 ≥ 1000	79.6	86.6	87.2	88.3	88.9	89.4	89.7	90.2	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4
≥ 900 ≥ 800	79.8	87.6	88.3	89.8	90.4	91.2	91.6	92.5	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8
≥ 700 ≥ 600	79.9	87.8	88.6	90.2	91.0	91.7	92.2	93.0	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3
≥ 500 ≥ 400	79.9	88.0	88.8	90.8	91.6	92.6	93.1	94.1	94.4	94.4	94.5	94.5	94.5	94.6	94.6	94.6
≥ 300 ≥ 200	79.9	88.1	88.9	91.3	92.3	93.2	93.9	94.8	95.2	95.2	95.3	95.4	95.5	95.6	95.6	95.6
≥ 100 ≥ 0	79.9	88.1	88.9	91.3	92.4	93.3	94.1	95.5	95.9	95.9	96.0	96.1	96.2	96.3	96.6	96.6
≥ 50 ≥ 0	79.9	88.1	89.0	91.5	92.7	93.8	94.5	96.0	96.5	96.5	96.6	96.7	96.8	96.9	97.1	97.1
≥ 300 ≥ 200	79.9	88.1	89.0	91.5	92.8	93.9	94.7	96.3	97.3	97.5	97.8	98.1	98.4	98.5	98.7	98.6
≥ 100 ≥ 0	79.9	88.1	89.0	91.5	92.8	94.1	95.2	97.2	98.2	98.4	98.7	98.9	99.2	99.4	99.6	99.9
≥ 0 ≥ 0	79.9	88.1	89.0	91.5	92.8	94.1	95.2	97.2	98.2	98.4	98.7	98.9	99.2	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

MAP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

18.0-2000  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	49.6	51.0	50.8	50.8	50.9	50.9	50.9	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 18000 ≥ 16000	53.2	54.6	54.6	54.6	54.7	54.7	54.7	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 14000 ≥ 12000	53.4	54.8	54.8	54.8	54.9	54.9	54.9	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 10000 ≥ 8000	53.8	55.2	55.2	55.2	55.3	55.3	55.3	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 6000 ≥ 4000	54.3	56.7	56.8	56.8	56.9	56.9	56.9	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 3000 ≥ 1000	56.8	58.6	58.7	58.7	58.8	58.8	58.8	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 8000 ≥ 7000	57.1	58.9	59.0	59.0	59.1	59.1	59.1	59.2	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 6000 ≥ 5000	58.8	61.2	61.6	61.6	61.9	61.9	61.9	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 4000 ≥ 3000	59.9	62.7	63.1	63.1	63.4	63.4	63.4	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 2000 ≥ 1500	61.3	63.5	64.1	64.1	64.4	64.4	64.4	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 1000 ≥ 800	62.6	65.8	66.3	66.3	66.7	66.7	66.8	66.9	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 600 ≥ 400	63.7	67.0	67.5	67.5	67.8	68.0	68.1	68.2	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 300 ≥ 200	66.3	69.8	70.4	70.4	70.8	70.9	71.0	71.1	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 150 ≥ 100	69.9	74.0	74.6	74.6	74.9	75.1	75.3	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 75 ≥ 50	71.6	76.9	77.5	77.6	78.2	78.3	78.6	78.7	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 25 ≥ 15	72.9	78.3	79.4	79.5	80.0	80.1	80.4	80.5	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 10 ≥ 5	74.6	81.6	83.2	83.5	84.1	84.3	85.1	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 3 ≥ 1	74.8	82.3	83.7	84.1	84.6	84.8	85.6	85.9	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 0	75.3	83.3	84.8	85.5	86.0	86.2	87.0	87.3	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 2000	75.4	84.3	86.2	87.2	88.1	88.4	89.4	89.8	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1000	75.4	84.5	86.7	87.8	88.7	89.1	90.1	90.8	91.0	91.3	91.3	91.3	91.3	91.5	91.5	91.5
≥ 800	75.4	84.8	87.2	88.4	89.2	89.7	90.6	91.3	91.5	91.8	91.8	91.8	92.2	92.2	92.2	92.2
≥ 600	75.4	85.1	87.6	88.8	89.8	90.2	91.2	91.8	92.0	92.4	92.4	92.4	92.7	92.7	92.7	92.7
≥ 400	75.4	85.2	87.8	89.5	90.8	91.2	92.3	92.9	93.1	93.5	93.8	93.8	94.1	94.2	94.3	94.3
≥ 300	75.4	85.3	88.0	89.7	91.3	91.7	93.0	94.1	94.3	94.8	95.1	95.1	95.4	95.5	95.6	95.6
≥ 200	75.4	85.3	88.0	89.8	91.4	91.8	93.1	94.5	94.7	95.5	95.7	95.8	96.1	96.2	96.3	96.3
≥ 100	75.4	85.3	88.0	89.8	91.5	92.0	93.3	94.8	95.1	96.1	96.7	97.0	97.3	97.4	97.5	97.5
≥ 50	75.4	85.3	88.0	89.8	91.6	92.2	93.4	94.9	95.3	96.3	97.0	97.3	97.7	97.8	98.1	98.1
≥ 25	75.4	85.3	88.0	89.8	91.6	92.2	93.4	95.1	95.8	97.2	98.0	98.3	98.8	98.9	99.1	99.6
≥ 10	75.4	85.3	88.0	89.8	91.6	92.2	93.4	95.2	95.9	97.5	98.3	98.6	99.2	99.4	99.6	100.0
≥ 0	75.4	85.3	88.0	89.8	91.6	92.2	93.4	95.2	95.9	97.5	98.3	98.6	99.2	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

14773

AESTOVER AFB MA

69-70,73-80

MAP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
≥ 10000	49.8	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 8000	53.7	55.6	55.7	55.7	55.7	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 6000	53.7	55.6	55.7	55.7	55.7	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 4000	53.7	55.6	55.7	55.7	55.7	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 3000	54.3	56.4	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 2000	56.5	58.3	58.5	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 1800	56.5	59.0	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 1600	59.0	62.5	63.0	63.0	63.1	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 1400	61.7	65.2	65.7	65.7	65.8	65.8	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2
≥ 1200	61.5	65.7	66.2	66.2	66.3	66.3	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7
≥ 1000	63.7	68.4	69.9	69.9	69.0	69.0	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4
≥ 800	64.4	69.2	69.8	69.8	69.9	69.9	70.2	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3
≥ 600	66.5	71.2	71.9	71.9	72.0	72.0	72.3	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5
≥ 500	67.9	73.0	73.7	73.7	73.8	73.8	74.1	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.5
≥ 400	69.9	75.5	76.3	76.4	76.6	76.6	77.0	77.3	77.3	77.5	77.7	77.7	77.7	77.7	77.7	77.8
≥ 300	70.5	77.0	77.8	77.9	78.5	78.5	78.8	79.1	79.1	79.4	79.5	79.5	79.5	79.5	79.5	79.6
≥ 200	71.5	79.5	80.6	80.6	81.5	81.5	82.1	82.3	82.3	82.6	82.7	82.7	82.8	82.8	82.8	83.0
≥ 150	71.7	79.9	81.0	81.2	81.9	81.9	82.5	82.7	82.7	83.0	83.1	83.1	83.2	83.2	83.2	83.4
≥ 100	72.7	80.5	81.9	82.3	83.2	83.2	83.7	84.4	84.4	84.6	84.8	84.8	84.9	84.9	84.9	85.0
≥ 700	72.1	81.4	83.5	84.1	85.0	85.4	86.1	86.7	86.7	87.0	87.1	87.1	87.2	87.2	87.2	87.4
≥ 600	72.1	82.3	84.9	85.9	87.1	87.6	88.4	89.2	89.3	89.5	89.7	89.7	89.8	89.8	89.8	89.9
≥ 500	72.1	82.3	85.7	86.2	87.4	87.9	88.8	89.5	89.7	89.9	90.1	90.1	90.2	90.2	90.2	90.3
≥ 400	72.1	82.6	85.5	86.7	87.9	88.4	89.4	90.5	90.6	91.0	91.2	91.2	91.4	91.4	91.4	91.5
≥ 300	72.1	82.7	85.6	87.1	88.4	89.0	90.1	91.2	91.4	91.9	92.3	92.3	92.4	92.4	92.4	92.5
≥ 200	72.1	82.8	86.2	87.5	88.8	89.5	91.1	92.5	92.6	93.2	93.5	93.5	93.7	93.7	93.7	93.8
≥ 100	72.1	83.0	86.3	88.0	89.4	90.2	91.9	93.4	93.9	94.1	94.8	94.8	95.0	95.0	95.0	95.1
≥ 50	72.1	83.0	86.3	88.0	89.4	90.5	92.5	94.1	94.2	94.7	95.5	95.5	95.7	95.7	95.7	95.9
≥ 30	72.1	83.1	86.5	88.3	89.9	91.0	93.2	94.7	94.8	95.5	96.4	96.5	97.0	97.0	97.0	97.3
≥ 20	72.1	83.1	86.5	88.3	89.9	91.0	93.2	94.7	95.1	95.7	96.8	97.0	97.7	97.8	97.9	98.7
≥ 10	72.1	83.1	86.5	88.3	89.9	91.0	93.2	94.7	95.2	95.9	97.0	97.4	98.2	98.3	98.7	99.7
≥ 0	72.1	83.1	86.5	88.3	89.9	91.0	93.2	94.7	95.2	95.9	97.0	97.4	98.2	98.3	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 775



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1473

WESTOVER AFB MA

69-70,73-80

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0
NO CEILING	44.5	46.3	46.4	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.6
≥ 20000	48.6	50.7	50.8	50.8	50.9	50.9	50.9	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 18000	48.7	50.8	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.1	51.1	51.1
≥ 16000	48.7	50.8	51.0	51.0	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.2
≥ 14000	49.0	51.1	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.5	51.5
≥ 12000	50.1	52.5	52.6	52.7	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.9
≥ 10000	52.1	54.7	54.8	54.8	54.9	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.1
≥ 9000	52.1	55.5	55.7	55.8	55.8	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	56.0
≥ 8000	55.3	58.7	59.1	59.1	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.4	59.4	59.4
≥ 7000	56.8	60.5	60.9	61.0	61.1	61.1	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.4
≥ 6000	57.8	61.3	61.7	61.8	61.9	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.2
≥ 5000	59.5	63.5	63.9	64.0	64.1	64.2	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.5	64.5	64.5
≥ 4500	60.4	65.0	65.4	65.6	65.7	65.7	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.1	66.1	66.1
≥ 4000	64.1	68.7	69.2	69.4	69.5	69.6	69.7	69.8	69.8	69.9	69.9	69.9	69.9	70.0	70.0	70.0
≥ 3500	67.1	72.1	72.6	72.9	73.1	73.1	73.3	73.4	73.4	73.5	73.5	73.5	73.6	73.6	73.6	73.7
≥ 3000	69.6	75.1	75.7	76.1	76.3	76.4	76.7	76.7	76.8	77.0	77.0	77.0	77.0	77.1	77.1	77.1
≥ 2500	71.5	77.6	78.4	78.8	79.0	79.2	79.4	79.5	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.9
≥ 2000	73.2	80.2	81.1	81.6	81.9	82.1	82.4	82.6	82.7	82.9	82.9	82.9	83.0	83.0	83.0	83.1
≥ 1800	73.4	80.6	81.5	82.0	82.4	82.6	83.0	83.2	83.3	83.4	83.5	83.5	83.6	83.6	83.6	83.7
≥ 1600	73.9	81.7	82.8	83.5	84.0	84.2	84.6	85.0	85.1	85.3	85.4	85.4	85.4	85.4	85.5	85.5
≥ 1400	74.4	83.0	84.5	85.4	86.1	86.5	87.1	87.6	87.7	87.9	88.1	88.1	88.1	88.1	88.1	88.2
≥ 1200	74.6	83.4	85.2	86.5	87.4	88.0	88.6	89.3	89.6	89.8	90.0	90.0	90.1	90.1	90.1	90.2
≥ 1000	74.6	83.9	85.7	87.0	87.9	88.5	89.3	90.0	90.3	90.5	90.7	90.7	90.9	90.9	90.9	91.0
≥ 900	74.6	84.1	86.1	87.6	88.7	89.4	90.1	91.0	91.3	91.6	91.8	91.9	92.0	92.0	92.0	92.1
≥ 800	74.7	84.3	86.5	88.2	89.4	90.4	91.3	92.3	92.6	92.9	93.2	93.3	93.4	93.5	93.5	93.6
≥ 700	74.7	84.4	86.7	88.5	90.0	90.8	91.9	93.3	93.6	94.0	94.3	94.3	94.5	94.6	94.7	94.8
≥ 600	74.7	84.4	86.9	88.7	90.4	91.3	92.5	94.0	94.4	94.8	95.2	95.3	95.5	95.6	95.7	95.8
≥ 500	74.7	84.4	86.9	88.8	90.5	91.5	92.9	94.5	95.0	95.5	96.0	96.2	96.5	96.6	96.7	96.8
≥ 400	74.7	84.5	86.9	88.8	90.6	91.6	93.2	95.0	95.6	96.2	96.8	97.0	97.4	97.6	97.7	97.9
≥ 300	74.7	84.5	86.9	88.8	90.6	91.7	93.3	95.3	96.0	96.7	97.4	97.7	98.3	98.5	98.7	99.1
≥ 200	74.7	84.5	86.9	88.8	90.6	91.7	93.3	95.3	96.1	96.8	97.6	97.9	98.5	98.9	99.2	99.8
≥ 100	74.7	84.5	86.9	88.8	90.6	91.7	93.3	95.3	96.1	96.8	97.6	97.9	98.6	98.9	99.3	100.0
≥ 0	74.7	84.5	86.9	88.8	90.6	91.7	93.3	95.3	96.1	96.8	97.6	97.9	98.6	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 6202

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1473  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-75  
YEARS

USE WITH CAUTION  
SEE FIRST PAGE

APP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	50.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.4
≥ 2000	52.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	55.1
≥ 1800	53.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.8
≥ 1600	53.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.8
≥ 1400	54.7	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.7
≥ 1200	54.7	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.9
≥ 1000	56.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.6
≥ 900	58.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	62.2
≥ 800	60.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	64.7
≥ 700	62.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.4
≥ 600	63.6	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.6
≥ 500	65.3	68.7	68.9	68.9	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.8
≥ 450	66.9	70.7	71.1	71.1	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	72.0
≥ 400	71.1	75.3	75.8	76.0	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.9
≥ 350	72.7	76.9	77.3	77.6	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.4
≥ 300	74.4	78.7	79.1	79.3	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	80.2
≥ 250	76.0	80.2	80.7	80.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.8
≥ 200	77.9	83.6	84.2	84.4	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.8
≥ 180	77.9	84.4	85.3	85.8	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	87.3
≥ 160	80.4	85.6	86.4	86.9	87.8	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.7
≥ 140	80.7	86.9	87.8	88.4	90.0	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.9
≥ 120	80.9	87.3	88.2	88.9	90.4	90.7	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	92.0
≥ 100	81.1	87.6	88.7	89.3	91.1	91.3	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.7
≥ 90	81.1	87.6	89.1	90.2	92.2	92.4	93.1	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	94.0
≥ 80	81.1	88.0	89.3	90.7	92.7	92.9	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.7
≥ 70	81.1	88.2	89.6	91.6	94.2	94.4	95.3	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.2
≥ 60	81.1	88.7	90.0	92.0	94.9	95.1	96.4	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	98.2
≥ 50	81.1	88.9	90.2	92.2	95.1	95.6	97.6	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	99.6
≥ 40	81.1	88.9	90.2	92.2	95.1	95.6	97.6	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	100.0
≥ 30	81.1	88.9	90.2	92.2	95.1	95.6	97.6	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	100.0
≥ 20	81.1	88.9	90.2	92.2	95.1	95.6	97.6	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	100.0
≥ 10	81.1	88.9	90.2	92.2	95.1	95.6	97.6	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	100.0
≥ 0	81.1	88.9	90.2	92.2	95.1	95.6	97.6	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 450



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14793

WESTOVER AFB MA

69-70,73-75

USE WITH CAUTION  
SEE FIRST PAGE

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STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

C300-0500  
HOURS (L.G.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
≥ 27000	47.8	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	50.0	50.0	50.2
≥ 24000	49.3	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.6	51.6	51.8
≥ 21000	49.3	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.6	51.6	51.8
≥ 18000	49.3	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.6	51.6	51.8
≥ 15000	49.3	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.6	51.6	51.8
≥ 12000	50.9	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.3	53.3	53.6
≥ 9000	52.7	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.6	55.6	55.8
≥ 8000	54.0	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.9	56.9	57.1
≥ 7000	57.1	60.0	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.7	60.7	60.9
≥ 6000	58.9	62.0	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.7	62.7	62.9
≥ 5000	61.3	64.4	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.1	65.1	65.3
≥ 4500	63.1	66.4	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.1	67.1	67.3
≥ 4000	64.2	67.8	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.9	68.9	69.3
≥ 3500	67.3	71.1	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	72.4	72.4	72.7
≥ 3000	69.1	72.4	73.6	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.2	74.2	74.4
≥ 2500	72.0	76.2	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.6	77.6	77.8
≥ 2000	74.0	78.2	78.9	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.6	79.6	79.8
≥ 1800	77.1	82.0	82.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.6	83.6	84.0
≥ 1600	77.1	82.0	82.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.6	83.6	84.0
≥ 1400	77.1	82.0	82.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.6	83.6	84.0
≥ 1200	77.1	82.0	82.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.6	83.6	84.0
≥ 1000	77.1	82.0	82.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.6	83.6	84.0
≥ 900	78.2	84.7	85.3	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.9	86.9	87.1
≥ 800	78.2	84.7	85.3	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.9	86.9	87.1
≥ 700	78.2	84.7	85.3	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.9	86.9	87.1
≥ 600	78.2	84.7	85.3	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.9	86.9	87.1
≥ 500	78.2	84.7	85.3	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.9	86.9	87.1
≥ 400	78.2	84.7	85.3	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.9	86.9	87.1
≥ 300	78.2	84.7	85.3	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.9	86.9	87.1
≥ 200	78.2	84.7	85.3	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.9	86.9	87.1
≥ 100	78.2	84.7	85.3	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.9	86.9	87.1
≥ 0	78.2	84.7	85.3	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.9	86.9	87.1

TOTAL NUMBER OF OBSERVATIONS 450



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

14723  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1600-0800  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/10	≥ 1/8	≥ 0
≥ 10000	42.5	45.2	45.7	45.8	46.2	46.4	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.6
≥ 8000	46.7	49.7	50.4	50.5	50.9	51.0	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.6
≥ 6000	46.7	49.7	50.4	50.5	50.9	51.0	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.6
≥ 4000	46.9	49.9	50.5	50.7	51.0	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.7
≥ 2000	48.0	51.2	52.0	52.1	52.5	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	53.1
≥ 1000	50.1	54.4	55.2	55.3	55.7	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.4
≥ 800	50.9	55.5	56.3	56.4	56.8	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.4
≥ 600	54.1	59.9	60.6	60.9	61.3	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	62.0
≥ 400	56.1	61.6	62.6	63.0	63.4	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	64.1
≥ 200	57.2	63.2	64.1	64.5	64.8	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.6
≥ 100	60.3	66.6	67.7	68.1	68.5	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.3
≥ 50	61.6	68.1	69.1	69.4	69.8	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.6
≥ 25	63.3	70.2	71.1	71.5	71.9	72.1	72.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.8
≥ 15	65.2	72.3	73.2	73.7	74.1	74.3	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	75.0
≥ 10	66.6	74.1	75.1	75.7	76.4	76.7	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.3
≥ 5	69.7	77.1	78.0	78.6	79.4	79.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.3
≥ 2	70.6	78.9	79.6	80.5	81.3	81.5	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	82.2
≥ 1	70.7	79.3	80.2	81.0	81.8	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.7
≥ 1/2	71.7	80.6	81.5	82.4	83.2	83.9	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.9
≥ 1/4	73.2	83.3	84.6	85.5	86.7	87.4	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.7
≥ 1/10	73.4	84.2	85.7	86.8	88.3	88.9	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.4
≥ 1/8	73.7	85.0	86.6	88.0	89.5	90.2	90.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.7
≥ 1/16	73.7	85.3	87.6	89.2	90.9	91.9	92.6	93.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.4
≥ 1/32	73.7	85.4	87.9	89.6	91.5	93.0	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.5
≥ 1/64	73.7	85.7	88.3	90.1	92.3	93.8	94.7	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.6	96.0
≥ 1/128	73.7	85.7	88.4	90.6	93.1	94.9	96.1	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.8
≥ 1/256	73.7	85.7	88.4	90.6	93.2	95.1	96.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.8	98.2
≥ 1/512	73.7	85.7	88.4	90.6	93.2	95.1	96.3	97.7	98.0	98.0	98.2	98.2	98.2	98.2	98.4	98.8
≥ 1/1024	73.7	85.7	88.4	90.6	93.4	95.3	96.7	97.9	98.4	98.4	98.6	98.6	98.6	98.6	99.0	99.7
≥ 1/2048	73.7	85.7	88.4	90.6	93.4	95.3	96.7	97.9	98.4	98.4	98.7	98.7	98.7	98.7	99.1	100.0
≥ 1/4096	73.7	85.7	88.4	90.6	93.4	95.3	96.7	97.9	98.4	98.4	98.7	98.7	98.7	98.7	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 768



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14723

WESTOVER AFB MA

69-70,73-80

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

8900-1100  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO. CEILING	45.2	49.1	49.2	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 20000	49.6	53.4	53.7	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 18000	49.6	53.4	53.7	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 16000	49.6	53.4	53.7	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 14000	49.6	53.7	53.9	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 12000	50.9	54.9	55.1	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 10000	53.8	57.9	58.2	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 9000	54.8	59.1	59.4	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 8000	58.6	63.6	63.9	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 7000	59.6	65.2	65.7	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 6000	60.7	65.7	66.1	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 5000	62.2	68.3	68.8	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 4500	62.7	68.9	69.3	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 4000	65.7	72.2	72.6	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 3500	68.0	75.0	75.6	76.0	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 3000	70.3	77.8	78.3	78.8	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 2500	73.6	81.8	82.3	82.8	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 2000	74.8	83.3	84.0	84.4	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1800	74.9	83.4	84.1	84.7	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 1600	76.7	86.0	86.7	87.3	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1400	78.9	89.4	90.3	91.1	91.4	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1200	79.7	89.9	91.2	92.1	92.4	92.6	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1000	79.1	90.2	91.8	92.7	93.0	93.4	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 900	79.1	90.4	92.3	93.2	93.6	94.1	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 800	79.1	90.8	92.7	94.0	94.4	95.0	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 700	79.1	91.1	93.2	94.8	95.7	96.3	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 600	79.1	91.3	93.7	95.3	96.3	97.1	97.7	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	79.1	91.3	93.7	95.3	96.6	97.4	98.0	99.0	99.0	99.1	99.1	99.1	99.1	99.2	99.2	99.2
≥ 400	79.1	91.3	93.7	95.3	96.7	97.6	98.1	99.3	99.3	99.6	99.6	99.6	99.6	99.8	100.0	100.0
≥ 300	79.1	91.3	93.7	95.3	96.7	97.6	98.1	99.3	99.3	99.6	99.6	99.6	99.6	99.8	100.0	100.0
≥ 200	79.1	91.3	93.7	95.3	96.7	97.6	98.1	99.3	99.3	99.6	99.6	99.6	99.6	99.8	100.0	100.0
≥ 100	79.1	91.3	93.7	95.3	96.7	97.6	98.1	99.3	99.3	99.6	99.6	99.6	99.6	99.8	100.0	100.0
≥ 0	79.1	91.3	93.7	95.3	96.7	97.6	98.1	99.3	99.3	99.6	99.6	99.6	99.6	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

APP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	≥4	≥0
NO CEILING	45.3	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 20000	50.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 18000	50.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 16000	50.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 14000	50.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 12000	51.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 10000	54.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 9000	55.1	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 8000	58.8	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 7000	59.7	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 6000	61.1	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 5000	62.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 4500	65.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 4000	69.4	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 3500	73.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 3000	76.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 2500	78.2	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 2000	79.2	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1800	79.3	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1500	81.3	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 1200	83.2	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1000	83.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 900	83.6	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 800	83.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 700	83.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 600	83.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 500	83.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 400	83.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 300	83.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 200	83.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 100	83.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 0	83.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	45.6	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 20000	50.8	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 18000	50.9	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 16000	51.1	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 14000	51.2	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 12000	51.7	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 10000	54.7	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 9000	56.0	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 8000	59.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 7000	60.6	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 6000	61.9	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 5000	65.6	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 4500	68.3	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 4000	72.9	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 3500	75.6	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 3000	78.7	82.9	83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2500	79.2	84.4	84.7	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 2000	79.6	85.1	85.3	85.7	85.9	85.9	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 1800	80.3	86.4	86.7	87.0	87.2	87.2	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1500	81.8	89.7	89.9	90.3	91.0	91.1	91.2	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1200	83.2	92.0	92.4	93.6	94.6	94.7	94.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1000	83.3	92.1	92.9	94.0	95.0	95.1	95.3	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 900	83.4	92.6	93.3	94.6	95.6	95.7	95.9	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 800	83.4	92.6	93.6	94.8	95.9	96.0	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700	83.4	93.1	93.9	95.2	96.3	96.6	96.9	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600	83.4	93.1	94.0	95.3	96.4	96.7	97.0	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 500	83.4	93.2	94.1	95.4	96.6	96.9	97.2	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400	83.4	93.3	94.2	95.7	96.8	97.1	97.4	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.1	99.1
≥ 300	83.4	93.3	94.2	95.7	97.1	97.6	98.0	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.8	99.8
≥ 200	83.4	93.3	94.2	95.7	97.1	97.6	98.0	99.1	99.4	99.7	99.8	99.8	99.8	99.9	100.0	100.0
≥ 100	83.4	93.3	94.2	95.7	97.1	97.6	98.0	99.1	99.4	99.7	99.8	99.8	99.8	99.9	100.0	100.0
≥ 0	83.4	93.3	94.2	95.7	97.1	97.6	98.0	99.1	99.4	99.7	99.8	99.8	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14783

WESTOVER AFB MA

69-70,73-80

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	48.4 52.8	51.1 55.7	51.3 55.9	51.3 55.9	51.3 55.9	51.3 55.9	51.3 55.9	51.3 55.9	51.3 55.9	51.3 55.9	51.3 55.9	51.3 55.9	51.3 55.9	51.3 55.9	51.4 56.0	51.4 56.0
≥ 18000 ≥ 16000	53.4 53.4	56.3 56.3	56.6 56.6	56.6 56.6	56.6 56.6	56.6 56.6	56.6 56.6	56.6 56.6	56.6 56.6	56.6 56.6	56.6 56.6	56.6 56.6	56.6 56.6	56.6 56.6	56.7 56.7	56.7 56.7
≥ 14000 ≥ 12000	53.6 54.7	56.4 57.6	56.7 57.8	56.7 57.8	56.7 57.8	56.7 57.8	56.7 57.8	56.7 57.8	56.7 57.8	56.7 57.8	56.7 57.8	56.7 57.8	56.7 57.8	56.7 57.8	56.8 57.9	56.8 57.9
≥ 10000 ≥ 9000	57.2 58.4	60.1 61.4	60.3 61.7	60.3 61.8	60.3 61.8	60.3 61.8	60.3 61.8	60.3 61.8	60.3 61.8	60.3 61.8	60.3 61.8	60.3 61.8	60.3 61.8	60.3 61.8	60.4 61.9	60.4 61.9
≥ 8000 ≥ 7000	60.7 61.3	63.8 64.4	64.0 64.7	64.1 64.8	64.1 64.8	64.1 64.8	64.1 64.8	64.1 64.8	64.1 64.8	64.1 64.8	64.1 64.8	64.1 64.8	64.1 64.8	64.1 64.8	64.2 64.9	64.2 64.9
≥ 6000 ≥ 5000	63.1 65.9	66.4 71.0	66.7 71.2	66.9 71.4	66.9 71.4	66.9 71.4	66.9 71.4	66.9 71.4	66.9 71.4	66.9 71.4	66.9 71.4	66.9 71.4	66.9 71.4	66.9 71.4	67.0 71.6	67.0 71.6
≥ 4500 ≥ 4000	67.8 70.4	73.8 76.9	74.1 77.3	74.2 77.6	74.2 77.6	74.2 77.6	74.2 77.6	74.2 77.6	74.2 77.6	74.2 77.6	74.2 77.6	74.2 77.6	74.2 77.6	74.2 77.6	74.3 77.7	74.3 77.7
≥ 3500 ≥ 3000	72.6 74.7	79.2 81.9	79.7 82.3	79.9 82.9	79.9 82.9	79.9 82.9	79.9 82.9	79.9 82.9	79.9 82.9	79.9 82.9	79.9 82.9	79.9 82.9	79.9 82.9	79.9 82.9	80.0 83.0	80.0 83.0
≥ 2500 ≥ 2000	75.7 76.9	83.3 85.3	83.9 85.9	84.6 86.6	84.6 86.6	84.6 86.6	84.6 86.6	84.6 86.6	84.6 86.6	84.6 86.6	84.6 86.6	84.6 86.6	84.6 86.6	84.6 86.6	84.7 86.8	84.7 86.8
≥ 1800 ≥ 1500	77.4 79.0	86.2 88.7	86.8 89.7	87.4 90.6	87.4 90.6	87.7 91.2	87.7 91.2	87.7 91.3	87.8 91.4	87.8 91.4	87.8 91.6	87.8 91.6	87.8 91.6	87.8 91.6	87.9 91.7	87.9 91.7
≥ 1200 ≥ 1000	79.8 79.9	90.8 91.7	92.3 93.3	93.7 94.8	94.1 95.3	94.4 95.7	94.4 95.7	94.7 96.0	94.8 96.1	94.8 96.1	94.9 96.2	94.9 96.2	94.9 96.2	94.9 96.2	95.0 96.3	95.0 96.3
≥ 900 ≥ 800	79.9 79.9	92.2 92.2	94.1 94.2	95.7 95.8	96.3 96.6	96.7 96.9	96.7 96.9	97.0 97.2	97.1 97.3	97.1 97.4	97.2 97.6	97.2 97.6	97.2 97.6	97.2 97.6	97.3 97.7	97.3 97.7
≥ 700 ≥ 600	79.9 79.9	92.2 92.2	94.2 94.2	95.8 95.8	96.7 96.9	97.0 97.2	97.2 97.6	97.7 98.0	97.8 98.1	97.9 98.2	98.0 98.3	98.0 98.3	98.0 98.3	98.0 98.3	98.1 98.4	98.3 98.7
≥ 500 ≥ 400	79.9 79.9	92.2 92.2	94.2 94.2	95.9 95.9	97.0 97.1	97.3 97.4	97.7 97.8	98.2 98.4	98.3 98.6	98.4 98.7	98.6 98.9	98.6 98.9	98.6 98.9	98.6 98.9	98.7 99.0	98.9 99.2
≥ 300 ≥ 200	79.9 79.9	92.2 92.2	94.2 94.2	96.0 96.0	97.2 97.2	97.6 97.6	97.9 97.9	98.6 98.6	99.1 99.2	99.2 99.3	99.4 99.6	99.4 99.7	99.4 99.7	99.4 99.7	99.6 99.8	99.8 100.0
≥ 100 ≥ 0	79.9 79.9	92.2 92.2	94.2 94.2	96.0 96.0	97.2 97.2	97.6 97.6	97.9 97.9	98.6 98.6	99.2 99.2	99.3 99.3	99.6 99.6	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

USE WITH CAUTION  
SEE FIRST PAGE

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	50.6 54.9	53.9 58.4	53.9 58.4	53.9 58.4	53.9 58.4	53.9 58.4	54.0 58.5	54.0 58.5	54.0 58.5	54.0 58.5	54.0 58.5	54.0 58.5	54.2 58.7	54.2 58.7	54.2 58.7	54.3 58.8
≥ 18000 ≥ 16000	55.1 55.1	58.7 58.7	58.7 58.7	58.7 58.7	58.7 58.7	58.7 58.7	58.8 58.8	58.8 58.8	58.8 58.8	58.8 58.8	58.8 58.8	58.8 58.8	59.0 59.0	59.0 59.0	59.0 59.0	59.1 59.1
≥ 14000 ≥ 12000	55.4 55.8	59.0 59.5	59.0 59.5	59.0 59.5	59.0 59.5	59.0 59.5	59.1 59.6	59.1 59.6	59.1 59.6	59.1 59.6	59.1 59.6	59.1 59.6	59.2 59.8	59.2 59.8	59.2 59.8	59.4 59.9
≥ 12000 ≥ 9000	58.3 59.4	62.1 63.2	62.1 63.2	62.1 63.2	62.1 63.2	62.1 63.2	62.2 63.3	62.2 63.3	62.2 63.3	62.2 63.3	62.2 63.3	62.2 63.3	62.4 63.5	62.4 63.5	62.4 63.5	62.5 63.6
≥ 8000 ≥ 7000	61.3 62.8	65.5 67.0	65.5 67.0	65.5 67.0	65.5 67.0	65.5 67.0	65.7 67.2	65.7 67.2	65.7 67.2	65.7 67.2	65.7 67.2	65.7 67.2	65.8 67.3	65.8 67.3	65.8 67.3	65.9 67.4
≥ 6000 ≥ 5000	64.2 67.0	68.5 72.4	68.5 72.4	68.5 72.4	68.5 72.4	68.5 72.4	68.7 72.5	68.7 72.5	68.7 72.5	68.7 72.5	68.7 72.5	68.7 72.5	68.8 72.6	68.8 72.6	68.8 72.6	68.9 72.6
≥ 4500 ≥ 4000	68.3 71.2	73.9 76.3	73.9 76.3	73.9 76.3	73.9 76.3	73.9 76.3	74.0 76.7	74.0 76.7	74.0 76.7	74.0 76.7	74.0 76.7	74.0 76.7	74.1 76.9	74.1 76.9	74.1 76.9	74.3 77.0
≥ 3500 ≥ 3000	72.4 74.3	78.8 81.1	78.8 81.4	78.8 81.5	79.2 81.9	79.2 81.9	79.3 82.1	79.3 82.1	79.3 82.1	79.3 82.1	79.3 82.1	79.3 82.1	79.5 82.2	79.5 82.2	79.5 82.2	79.6 82.4
≥ 2500 ≥ 2000	75.8 77.3	83.3 85.0	83.6 85.4	83.7 85.5	84.1 86.0	84.1 86.0	84.3 86.5	84.3 86.5	84.4 86.6	84.4 86.6	84.4 86.6	84.4 86.6	84.5 86.7	84.5 86.7	84.5 86.7	84.7 86.9
≥ 1800 ≥ 1500	77.8 78.8	85.9 87.7	86.3 88.5	86.5 88.6	87.3 89.5	87.3 89.5	87.7 90.0	87.7 90.0	87.8 90.2	87.8 90.2	87.8 90.2	87.8 90.2	88.0 90.3	88.0 90.3	88.0 90.3	88.1 90.4
≥ 1200 ≥ 1000	79.3 79.3	89.5 89.9	90.6 91.2	91.0 91.8	91.9 92.7	92.2 93.0	92.9 93.7	92.9 93.7	93.0 93.8	93.0 93.8	93.0 93.8	93.0 93.8	93.2 94.0	93.2 94.0	93.2 94.0	93.3 94.1
≥ 900 ≥ 800	79.3 79.3	90.2 90.2	91.5 91.9	92.5 92.9	93.4 94.0	93.8 94.4	94.7 95.2	94.7 95.2	94.8 95.3	94.8 95.3	94.8 95.3	94.8 95.3	94.9 95.6	94.9 95.6	94.9 95.6	95.1 95.8
≥ 700 ≥ 600	79.3 79.3	90.3 90.4	92.2 92.5	93.3 93.8	94.5 95.1	94.9 95.5	95.8 96.4	95.9 96.4	96.0 96.7	96.0 96.7	96.0 96.7	96.0 96.7	96.3 97.0	96.3 97.0	96.3 97.0	96.4 97.1
≥ 500 ≥ 400	79.3 79.3	90.6 90.6	92.7 92.9	94.3 94.5	95.5 96.0	95.9 96.4	96.9 97.5	97.0 98.1	97.1 98.2	97.1 98.4	97.1 98.4	97.1 98.4	97.5 98.8	97.5 98.8	97.5 98.8	97.7 98.9
≥ 300 ≥ 200	79.3 79.3	90.6 90.6	92.9 92.9	94.5 94.5	96.0 96.0	96.4 96.4	97.7 97.7	98.2 98.2	98.6 98.8	98.8 98.9	98.8 99.0	98.8 99.0	99.2 99.5	99.2 99.5	99.2 99.5	99.3 99.6
≥ 100 ≥ 0	79.3 79.3	90.6 90.6	92.9 92.9	94.5 94.5	96.0 96.0	96.4 96.4	97.7 97.7	98.2 98.2	98.9 98.9	99.0 99.0	99.2 99.2	99.2 99.2	99.6 99.6	99.6 99.6	99.6 99.6	99.9 100.0

TOTAL NUMBER OF OBSERVATIONS 731



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14 AUG

WESTOVER AFB MA

69-70, 73-80

APR

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 1	≥ 2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 11	≥ 12	≥ 13	≥ 14	≥ 15	≥ 16
NO CEILING	46.7	49.1	49.2	47.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 20000	50.9	53.5	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.9	53.9
≥ 18000	51.3	53.7	53.9	53.9	54.0	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 16000	51.1	53.7	53.9	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 14000	51.3	53.9	54.1	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 12000	52.2	55.0	55.2	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.5
≥ 10000	54.8	57.9	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3
≥ 9000	55.8	59.2	59.4	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 8000	58.9	62.6	62.9	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 7000	60.1	64.1	64.3	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6
≥ 6000	61.4	65.5	65.8	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.1	66.1
≥ 5000	64.0	68.7	69.0	69.1	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 4500	65.6	70.5	70.9	71.0	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.3
≥ 4000	68.8	74.2	74.5	74.7	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 3500	71.3	76.8	77.3	77.5	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.8	77.8
≥ 3000	73.5	79.4	79.9	80.2	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 2500	75.4	81.8	82.3	82.7	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.1
≥ 2000	76.7	83.6	84.2	84.6	84.9	85.0	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1800	77.1	84.3	84.8	85.4	85.8	85.9	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.2	86.2	86.2
≥ 1500	78.4	86.4	87.1	87.8	88.4	88.5	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0
≥ 1200	79.7	88.7	89.6	90.5	91.3	91.6	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.2	92.2
≥ 1000	79.8	89.3	90.4	91.4	92.3	92.7	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.4	93.4
≥ 900	79.9	89.7	91.0	92.2	93.2	93.6	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4
≥ 800	80.0	90.0	91.4	92.7	93.9	94.4	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2
≥ 700	80.0	90.1	91.7	93.1	94.5	95.0	95.6	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.1
≥ 600	80.0	90.3	91.9	93.5	95.0	95.6	96.2	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8
≥ 500	80.0	90.3	92.1	93.8	95.5	96.2	97.0	97.6	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.9
≥ 400	80.0	90.4	92.1	93.9	95.8	96.5	97.4	98.2	98.3	98.4	98.4	98.4	98.5	98.5	98.6	98.7
≥ 300	80.0	90.4	92.2	94.0	95.9	96.7	97.7	98.6	98.9	99.0	99.0	99.1	99.1	99.2	99.3	99.4
≥ 200	80.0	90.4	92.2	94.0	95.9	96.7	97.7	98.6	99.0	99.1	99.1	99.2	99.3	99.4	99.6	99.6
≥ 100	80.0	90.4	92.2	94.0	95.9	96.7	97.7	98.6	99.0	99.1	99.1	99.3	99.3	99.5	99.6	99.7
≥ 0	80.0	90.4	92.2	94.0	95.9	96.7	97.7	98.6	99.0	99.1	99.1	99.3	99.3	99.5	99.6	99.7

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



UNCLASSIFIED

USAFETAC/DS-01/091

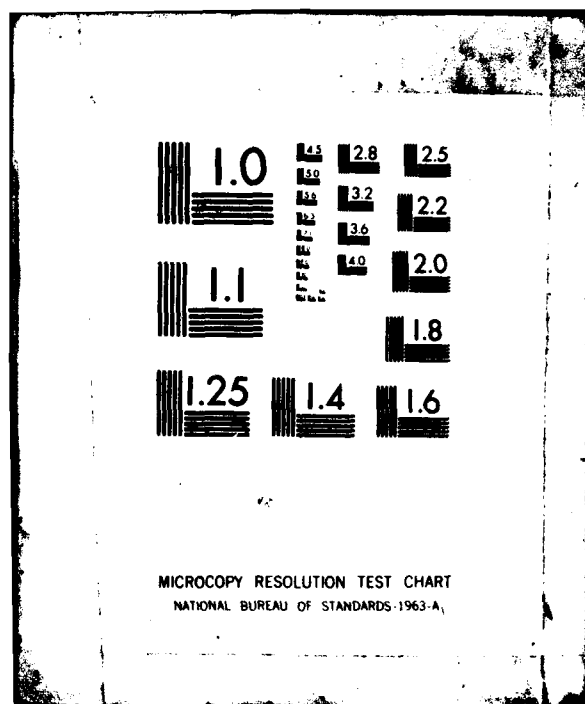
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NL

34

10







GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERS

USE WITH  
SEE FILE

14703

WESTOVER AFB MA

69-70, 73-75, 79

STATION

STATION NAME

YEARS

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES											
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½
NO CEILING	42.0	46.9	48.0	48.4	48.4	48.4	48.8	49.0	49.0	49.3	49.3	49.3
≥ 20000	43.9	48.8	49.9	50.3	50.3	50.3	50.7	51.0	51.0	51.2	51.2	51.2
≥ 18000	43.9	48.8	49.9	50.3	50.3	50.3	50.7	51.0	51.0	51.2	51.2	51.2
≥ 16000	43.9	48.8	49.9	50.3	50.3	50.3	50.7	51.0	51.0	51.2	51.2	51.2
≥ 14000	45.0	49.9	51.0	51.4	51.4	51.4	51.8	52.0	52.0	52.2	52.2	52.2
≥ 12000	45.2	50.3	51.4	51.8	51.8	51.8	52.2	52.5	52.5	52.7	52.7	52.7
≥ 10000	46.9	53.3	54.4	54.8	54.8	54.8	55.2	55.5	55.5	55.7	55.7	55.7
≥ 9000	47.5	54.0	55.0	55.5	55.5	55.5	55.9	56.1	56.1	56.3	56.3	56.3
≥ 8000	52.2	59.1	60.2	60.6	60.6	60.6	61.0	61.2	61.2	61.5	61.5	61.5
≥ 7000	55.2	63.0	64.0	64.5	64.7	64.7	65.1	65.3	65.3	65.5	65.5	65.5
≥ 6000	56.5	64.2	65.3	65.7	66.0	66.0	66.6	66.8	66.8	67.0	67.0	67.0
≥ 5000	60.2	68.5	69.6	70.0	70.2	70.2	70.9	71.1	71.1	71.3	71.3	71.3
≥ 4500	60.2	68.7	69.8	70.2	70.4	70.4	71.1	71.3	71.3	71.5	71.5	71.5
≥ 4000	61.5	71.1	72.2	73.0	73.2	73.2	73.9	74.1	74.1	74.3	74.3	74.3
≥ 3500	62.7	73.2	74.3	75.4	75.6	75.6	76.2	76.4	76.4	76.7	76.7	76.7
≥ 3000	64.0	75.6	76.7	77.9	78.6	78.6	79.2	79.4	79.4	79.7	79.7	79.7
≥ 2500	64.5	77.1	78.4	79.9	80.5	80.5	81.2	81.4	81.4	81.6	81.6	81.6
≥ 2000	65.7	79.9	81.2	82.7	83.3	83.3	83.9	84.2	84.2	84.4	84.4	84.4
≥ 1800	66.4	80.5	81.8	83.3	83.9	83.9	84.6	84.8	84.8	85.0	85.0	85.0
≥ 1500	67.0	81.8	83.1	84.8	85.4	85.4	86.1	86.3	86.3	86.5	86.5	86.5
≥ 1200	68.7	84.8	86.1	87.8	88.4	88.4	89.1	89.3	89.3	89.5	89.5	89.5
≥ 1000	68.7	85.0	86.5	88.2	88.9	88.9	89.5	89.7	89.7	89.9	89.9	89.9
≥ 900	68.7	85.4	86.9	88.9	89.5	89.5	90.1	90.4	90.4	90.6	90.6	90.6
≥ 800	69.2	86.1	87.8	90.1	91.4	91.4	92.1	92.3	92.3	92.5	92.5	92.5
≥ 700	69.2	86.3	88.2	90.8	92.5	92.9	93.6	93.8	93.8	94.0	94.0	94.0
≥ 600	69.2	86.3	88.2	91.0	92.9	93.4	94.0	94.2	94.2	94.4	94.4	94.4
≥ 500	69.2	86.3	88.7	91.6	94.2	94.9	95.5	95.7	95.7	95.9	95.9	95.9
≥ 400	69.2	86.3	88.7	91.9	94.9	95.5	96.6	96.8	96.8	97.0	97.0	97.0
≥ 300	69.2	86.3	88.7	92.1	95.1	95.7	96.8	97.2	97.2	97.4	97.4	97.4
≥ 200	69.2	86.3	88.7	92.1	95.1	95.7	96.8	97.6	97.6	97.9	97.9	97.9
≥ 100	69.2	86.3	88.7	92.1	95.1	95.7	96.8	97.6	97.6	97.9	98.1	98.3
≥ 0	69.2	86.3	88.7	92.1	95.1	95.7	96.8	97.6	97.6	97.9	98.1	98.3

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-75,78  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	34.3 36.7	40.3 43.3	41.4 45.1	42.1 45.9	42.7 47.0	42.9 47.2	43.6 47.9	43.6 47.9	43.6 47.9	43.8 48.1	43.8 48.1	43.8 48.1	44.0 48.3	44.0 48.3	44.2 48.5	44.4 48.7
IV 18000 IV 16000	36.7 36.7	43.3 43.3	45.1 45.1	45.9 45.9	47.0 47.0	47.2 47.2	47.9 47.9	47.9 47.9	47.9 47.9	48.1 48.1	48.1 48.1	48.1 48.1	48.3 48.3	48.3 48.3	48.5 48.5	48.7 48.7
IV 14000 IV 12000	37.3 39.5	44.0 46.1	45.7 47.9	46.6 48.7	47.6 49.8	47.9 50.0	48.5 50.6	48.5 50.6	48.5 50.6	48.7 50.9	48.7 50.9	48.7 50.9	48.9 51.1	48.9 51.1	49.1 51.3	49.4 51.5
IV 10000 IV 9000	42.3 42.7	49.4 49.8	51.3 51.7	52.4 52.8	53.9 54.3	54.1 54.5	54.7 55.2	55.2 55.6	55.2 55.6	55.4 55.8	55.4 55.8	55.4 55.8	55.6 56.0	55.6 56.0	55.8 56.4	56.0 56.7
IV 8000 IV 7000	46.1 49.4	53.4 57.1	55.4 59.0	56.4 60.1	57.9 61.6	58.2 61.8	58.8 62.4	59.2 62.9	59.2 62.9	59.4 63.1	59.4 63.1	59.4 63.1	59.7 63.3	59.7 63.3	60.1 63.7	60.3 63.9
IV 6000 IV 5000	50.4 53.4	58.2 61.2	60.1 63.1	61.2 64.2	62.7 65.7	62.9 65.9	63.5 66.5	64.2 67.2	64.2 67.2	64.4 67.4	64.4 67.4	64.4 67.4	64.6 67.6	64.6 67.6	65.0 68.0	65.2 68.2
IV 4500 IV 4000	53.9 56.0	61.8 64.6	63.7 66.5	64.8 67.6	66.3 69.2	66.7 69.6	67.4 70.2	68.0 71.2	68.0 71.2	68.2 71.9	68.2 71.9	68.2 71.9	68.5 72.1	68.5 72.1	68.9 72.3	69.1 73.0
IV 3500 IV 3000	56.7 57.3	66.3 67.2	68.7 70.2	69.7 71.2	72.7 74.5	73.2 74.9	73.8 75.5	74.5 76.2	74.5 76.2	74.7 76.4	74.7 76.4	74.7 76.4	74.9 76.6	74.9 76.6	75.3 77.0	75.5 77.3
IV 2500 IV 2000	58.2 60.1	68.9 71.9	71.9 74.7	73.2 76.0	76.4 79.4	76.8 79.8	77.5 80.5	78.1 81.1	78.1 81.1	78.3 81.3	78.3 81.3	78.3 81.3	78.5 81.5	78.5 81.5	79.0 82.0	79.2 82.2
IV 1800 IV 1500	60.3 60.7	71.9 73.0	75.1 76.4	76.4 77.7	79.8 81.5	80.3 82.0	80.9 82.6	81.5 83.3	81.5 83.3	81.8 83.5	81.8 83.5	81.8 83.5	82.0 83.7	82.0 83.7	82.4 84.1	82.6 84.3
IV 1200 IV 1000	61.2 61.6	73.8 75.3	77.7 79.2	79.2 81.1	83.0 85.2	83.5 85.6	84.1 86.5	84.8 87.1	84.8 87.1	85.0 87.3	85.0 87.3	85.0 87.3	85.2 87.6	85.2 87.6	85.6 88.0	85.8 88.2
IV 900 IV 800	61.6 61.6	75.3 76.0	79.2 79.8	81.1 82.6	85.2 86.7	85.8 87.3	86.7 88.6	87.3 89.3	87.3 89.3	87.6 89.5	87.6 89.5	87.6 89.5	87.8 89.7	87.8 89.7	88.2 90.1	88.4 90.3
IV 700 IV 600	61.6 61.6	76.2 76.2	80.0 80.0	83.3 83.7	87.6 88.4	88.2 89.1	89.5 90.3	90.1 91.0	90.1 91.0	90.3 91.2	90.3 91.2	90.3 91.2	90.6 91.4	90.6 91.4	91.0 92.5	91.2 92.7
IV 500 IV 400	61.6 61.6	76.2 76.2	80.0 80.3	84.1 84.3	89.1 89.5	89.9 90.3	91.6 92.3	92.3 93.1	92.3 93.1	92.5 93.3	92.5 93.3	92.5 93.3	92.7 93.6	92.7 93.6	93.8 95.3	94.0 95.5
IV 300 IV 200	61.6 61.6	76.4 76.4	80.5 80.5	84.5 84.5	90.1 90.1	91.2 91.2	93.3 93.3	94.6 94.6	94.6 94.6	95.1 95.5	95.1 95.5	95.1 95.5	95.3 95.7	95.3 95.7	97.0 98.1	97.4 98.3
IV 100 IV 0	61.6 61.6	76.4 76.4	80.5 80.5	84.5 84.5	90.1 90.1	91.2 91.2	93.3 93.3	94.6 94.6	94.6 94.6	95.5 95.5	95.5 95.5	95.5 95.5	95.9 95.9	95.9 95.9	98.7 98.7	99.6 100.0

TOTAL NUMBER OF OBSERVATIONS 466



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0600  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES:															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	36.4	41.7	42.8	43.3	43.5	43.8	44.1	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.6
≥ 20000	41.4	48.4	49.9	50.5	51.0	51.3	51.5	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	52.1
IV 18000	41.4	48.4	49.4	50.5	51.0	51.3	51.5	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	52.1
IV 16000	41.4	48.4	49.9	50.5	51.0	51.3	51.5	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	52.1
IV 14000	41.8	48.8	50.3	51.0	51.4	51.7	51.9	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.5
IV 12000	42.8	49.9	51.4	52.1	52.6	52.9	53.1	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.7
IV 10000	44.6	53.1	55.1	55.7	56.7	57.0	57.2	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.8
IV 9000	45.1	54.0	55.8	56.5	57.5	57.8	58.0	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.5
IV 8000	48.5	57.6	59.4	60.0	61.0	61.3	61.6	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.1
IV 7000	49.2	59.1	60.9	61.6	62.5	62.9	63.1	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.6
IV 6000	49.8	60.0	62.0	62.6	63.7	64.0	64.3	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.9
IV 5000	51.3	62.2	64.3	64.9	66.0	66.3	66.5	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.2
IV 4500	51.7	63.0	65.2	66.0	67.2	67.5	67.7	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.4
IV 4000	53.2	64.7	67.0	67.7	69.1	69.4	69.7	69.9	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.4
IV 3500	54.0	65.7	68.0	69.1	70.5	71.1	71.3	71.5	71.7	71.8	71.8	71.8	71.8	71.8	71.8	72.0
IV 3000	55.2	67.1	69.4	70.5	71.9	72.5	72.7	72.9	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.5
IV 2500	56.2	68.4	70.7	71.8	73.2	73.8	74.0	74.3	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.9
IV 2000	57.3	69.8	72.1	73.2	74.6	75.2	75.4	75.7	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.3
IV 1800	57.8	70.2	72.6	73.7	75.1	75.6	75.8	76.1	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.8
IV 1500	60.0	73.4	75.9	77.2	78.7	79.4	79.7	80.0	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.7
IV 1200	61.3	75.5	78.2	79.6	81.3	82.0	82.5	82.8	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.5
IV 1000	62.3	77.2	80.2	81.7	84.0	84.9	85.9	86.3	86.6	86.7	86.7	86.7	86.7	86.7	86.7	87.0
IV 900	62.6	78.0	81.1	82.6	85.0	85.9	86.9	87.4	87.7	87.8	87.8	87.8	87.8	87.8	87.8	88.1
IV 800	62.7	78.5	81.9	83.9	86.6	87.8	88.9	89.4	89.7	89.8	89.8	89.8	89.8	89.8	89.8	90.2
IV 700	62.7	78.7	82.5	84.8	88.0	89.3	90.4	91.0	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.8
IV 600	62.7	78.7	82.7	85.2	89.0	90.5	91.6	92.4	92.8	92.9	92.9	92.9	92.9	92.9	92.9	93.2
IV 500	62.7	78.7	82.8	85.6	90.0	91.9	93.3	94.3	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.5
IV 400	62.7	78.7	82.8	85.6	90.0	92.0	94.0	95.1	96.2	96.7	96.7	96.7	96.8	96.9	96.9	97.3
IV 300	62.7	78.7	82.8	85.6	90.0	92.2	94.5	95.8	97.0	97.5	97.5	97.5	97.6	97.9	97.9	98.6
IV 200	62.7	78.7	82.8	85.6	90.0	92.2	94.5	95.9	97.1	97.7	97.7	97.7	97.9	98.4	98.4	99.4
IV 100	62.7	78.7	82.8	85.6	90.0	92.2	94.5	96.0	97.2	97.9	97.9	97.9	98.2	98.7	98.7	100.0
IV 0	62.7	78.7	82.8	85.6	90.0	92.2	94.5	96.0	97.2	97.9	97.9	97.9	98.2	98.7	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 926



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES:															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING ≥ 20000	41.2	45.1	46.5	46.8	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 18000 ≥ 16000	45.8	50.8	52.3	52.8	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 14000 ≥ 12000	46.0	51.0	52.5	53.0	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 10000 ≥ 9000	46.2	51.2	52.7	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 8000 ≥ 7000	47.0	51.9	53.4	54.0	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 6000 ≥ 5000	48.7	54.0	55.5	56.1	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 4500 ≥ 4000	51.5	58.1	59.8	60.5	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 3500 ≥ 3000	52.0	58.8	60.5	61.4	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 2500 ≥ 2000	54.7	61.6	63.4	64.3	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 1800 ≥ 1500	55.1	62.4	64.2	65.1	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 1200 ≥ 1000	55.5	63.1	64.9	65.8	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 900 ≥ 800	56.1	64.1	65.9	66.8	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 700 ≥ 600	56.9	65.2	67.0	67.8	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 500 ≥ 400	58.0	66.7	68.5	69.4	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 300 ≥ 200	60.0	69.0	71.0	71.9	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 100 ≥ 0	63.9	73.2	75.5	76.6	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 0	65.1	74.5	77.0	78.1	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 0	67.5	77.8	80.3	81.5	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 0	68.1	78.8	81.3	82.5	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 0	69.9	81.9	84.4	85.6	86.5	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 0	71.5	84.3	87.0	88.6	89.6	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 0	71.9	85.1	88.4	90.3	91.3	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 0	72.0	85.3	88.7	91.1	92.2	92.4	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 0	72.2	85.5	89.4	91.6	93.0	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 0	72.2	85.9	89.9	92.6	93.9	94.5	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 0	72.2	86.3	90.3	93.3	95.1	95.9	96.3	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 0	72.2	86.3	90.4	93.4	96.0	97.3	98.1	98.4	98.6	98.7	98.8	98.9	98.9	98.9	98.9	98.9
≥ 0	72.2	86.3	90.4	93.9	96.2	97.6	98.4	98.8	99.2	99.4	99.6	99.7	99.7	99.7	99.7	99.7
≥ 0	72.2	86.3	90.4	93.9	96.2	97.7	98.6	99.0	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0	72.2	86.3	90.4	93.9	96.2	97.7	98.6	99.0	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0	72.2	86.3	90.4	93.9	96.2	97.7	98.6	99.0	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC

FORM  
JUL 64

0-14-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	40.1	44.1	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 20000	46.1	50.6	51.3	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 18000	46.6	51.1	51.7	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 16000	46.6	51.1	51.7	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 14000	47.8	52.5	53.1	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 12000	49.0	53.9	54.5	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 10000	52.3	57.4	58.2	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 9000	52.9	58.2	59.1	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 8000	56.8	62.4	63.4	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 7000	57.7	64.3	65.4	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 6000	58.1	64.7	65.8	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 5000	59.4	66.1	67.2	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 4500	60.3	67.6	68.7	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 4000	64.7	72.6	73.7	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 3500	68.2	77.1	78.2	78.6	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 3000	71.9	81.3	82.4	82.8	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 2500	73.3	82.9	84.0	84.5	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 2000	76.9	87.2	88.4	88.9	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1800	77.3	87.8	89.0	89.6	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1500	77.7	88.5	90.3	91.1	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1200	78.8	90.0	92.3	93.1	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1000	78.9	90.3	92.8	93.9	94.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	78.9	90.4	93.0	94.3	95.5	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 800	79.0	91.0	93.6	95.5	96.7	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 700	79.1	91.2	94.1	96.1	97.5	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600	79.0	91.5	94.5	96.5	97.8	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	79.0	91.5	94.4	96.8	98.3	98.9	98.9	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	79.0	91.5	94.4	96.8	98.3	98.9	98.9	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	79.0	91.5	94.4	96.8	98.3	98.9	98.9	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	79.0	91.5	94.4	96.8	98.3	98.9	98.9	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	79.0	91.5	94.4	96.8	98.3	98.9	98.9	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	79.0	91.5	94.4	96.8	98.3	98.9	98.9	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	40.3	43.7	44.0	44.2	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 20000	45.9	49.8	50.1	50.3	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
IV 18000	46.0	49.9	50.2	50.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 16000	46.1	49.9	50.2	50.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 14000	46.9	50.8	51.1	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 12000	48.7	52.7	53.0	53.3	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 10000	52.2	56.3	56.7	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 9000	54.2	58.5	58.8	59.1	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IV 8000	58.7	63.4	63.8	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 7000	60.4	65.3	65.6	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 6000	62.4	67.5	67.8	68.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 5000	66.0	71.4	71.7	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 4500	68.2	73.9	74.3	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 4000	71.0	77.2	77.7	78.3	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 3500	73.4	80.4	81.0	81.5	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 3000	76.5	83.9	84.4	85.1	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 2500	77.8	85.8	86.3	87.1	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 2000	79.0	87.4	88.2	88.9	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1800	79.9	88.3	89.0	89.8	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 1500	79.9	89.2	90.2	91.1	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1200	81.0	90.6	92.2	93.7	95.1	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1000	81.1	90.6	92.4	94.2	95.7	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 900	81.1	90.6	92.4	94.3	95.8	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 800	81.1	91.0	92.9	94.9	96.5	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 700	81.1	91.1	93.1	95.3	97.1	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 600	81.1	91.1	93.2	95.5	97.7	98.2	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 500	81.1	91.1	93.2	95.5	98.2	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	81.1	91.1	93.2	95.5	98.2	98.9	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	81.1	91.1	93.2	95.5	98.2	98.9	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	81.1	91.1	93.2	95.5	98.2	98.9	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100	81.1	91.1	93.2	95.5	98.2	98.9	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 0	81.2	91.2	93.3	95.6	98.3	99.0	99.1	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 937



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	42.5	46.0	46.2	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000	47.7	52.5	53.3	53.4	53.7	53.7	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 18000	47.7	52.5	53.3	53.4	53.7	53.7	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 16000	47.7	52.5	53.3	53.4	53.7	53.7	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 14000	48.5	53.2	54.1	54.2	54.5	54.5	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 12000	49.8	54.7	55.6	55.7	56.0	56.0	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 10000	53.0	58.9	59.8	60.0	60.4	60.4	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 9000	54.8	60.8	61.6	61.8	62.3	62.3	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 8000	59.9	66.1	67.1	67.4	67.8	67.8	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 7000	61.7	68.3	69.2	69.6	70.0	70.0	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 6000	63.3	70.1	71.1	71.6	72.0	72.0	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 5000	65.9	72.9	73.9	74.6	75.1	75.1	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4500	67.2	75.2	76.2	77.0	77.5	77.5	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4000	68.8	77.8	79.2	80.0	80.5	80.5	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 3500	70.2	79.6	81.0	81.7	82.3	82.3	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3000	72.5	82.3	83.9	84.7	85.4	85.4	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 2500	73.8	84.1	85.7	86.6	87.2	87.2	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 2000	74.9	85.4	87.1	88.0	88.9	88.9	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1800	75.2	85.7	87.4	88.4	89.5	89.5	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 1500	75.7	86.9	88.7	90.0	91.3	91.3	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1200	76.7	88.5	90.5	92.2	94.1	94.3	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1000	76.8	89.0	91.2	92.9	95.2	95.5	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 900	76.8	89.0	91.3	93.1	95.5	95.9	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	76.8	89.0	91.3	93.1	95.5	95.9	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700	76.8	89.0	91.6	93.5	96.1	96.8	97.5	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	76.8	89.0	91.6	93.5	96.2	96.9	97.7	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	76.8	89.0	91.6	93.5	96.2	97.1	98.0	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 400	76.8	89.0	91.6	93.5	96.2	97.4	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	76.8	89.0	91.6	93.5	96.2	97.6	98.8	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	76.8	89.0	91.6	93.5	96.2	97.7	98.9	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	76.8	89.0	91.6	93.5	96.2	97.7	98.9	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	76.8	89.0	91.6	93.5	96.2	97.7	98.9	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	42.4	47.8	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 20000	44.9	51.8	52.3	52.3	52.3	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 18000	45.1	52.0	52.5	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 16000	45.1	52.0	52.5	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 14000	45.6	52.5	53.0	53.0	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
IV 12000	46.9	53.9	54.4	54.4	54.4	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 10000	49.8	57.8	58.4	58.4	58.4	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 9000	50.4	58.6	59.4	59.4	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 8000	55.4	65.0	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 7000	58.4	68.2	69.2	69.5	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 6000	58.9	68.7	69.7	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 5000	63.1	73.7	74.8	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 4500	63.9	74.8	75.9	76.4	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 4000	65.7	76.9	78.3	79.1	79.1	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 3500	66.5	78.2	79.6	80.6	80.6	80.7	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 3000	69.2	81.9	83.8	84.8	84.8	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 2500	70.1	83.3	85.2	86.2	86.2	86.4	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 2000	71.3	84.9	87.0	88.0	88.0	88.1	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 1800	71.4	85.4	87.5	88.6	88.6	88.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 1500	71.6	86.0	88.3	89.4	89.4	89.7	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1200	72.4	87.5	90.0	91.3	91.5	92.0	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1000	72.7	88.3	91.0	92.6	92.8	93.3	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 900	72.7	88.4	91.5	93.3	93.7	94.2	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 800	72.9	88.8	91.8	93.7	94.7	95.3	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 700	72.9	89.1	92.1	94.9	96.0	96.6	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 600	72.9	89.2	92.5	95.3	97.0	97.6	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 500	72.9	89.2	92.6	95.5	97.3	97.9	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 400	72.9	89.2	92.6	95.7	97.6	98.2	98.4	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 300	72.9	89.2	92.6	95.7	97.6	98.2	98.4	98.7	98.9	99.0	99.0	99.0	99.0	99.2	99.2	99.2
IV 200	72.9	89.2	92.6	95.7	97.6	98.2	98.4	98.9	99.0	99.2	99.4	99.4	99.4	99.5	99.5	99.7
IV 100	72.9	89.2	92.6	95.7	97.6	98.2	98.4	98.9	99.0	99.2	99.5	99.5	99.5	99.8	99.8	100.0
IV 0	72.9	89.2	92.6	95.7	97.6	98.2	98.4	98.9	99.0	99.2	99.5	99.5	99.5	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 623



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	40.0	44.4	45.2	45.5	45.7	45.7	45.8	45.9	45.9	45.9	45.9	45.9	46.0	46.0	46.0	46.0
≥ 20000	44.6	49.9	50.9	51.2	51.5	51.6	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	52.0
≥ 18000	44.7	50.0	51.0	51.4	51.7	51.7	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.1
≥ 16000	44.7	50.1	51.0	51.4	51.7	51.8	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.1	52.1
≥ 14000	45.5	50.9	51.9	52.2	52.5	52.6	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	53.0
≥ 12000	46.9	52.4	53.4	53.8	54.1	54.2	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.5	54.5	54.5
≥ 10000	49.7	56.1	57.2	57.6	58.1	58.2	58.3	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 9000	50.7	57.2	58.3	58.8	59.3	59.4	59.5	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.7	59.7
≥ 8000	54.7	61.6	62.8	63.3	63.8	63.9	64.0	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.3
≥ 7000	56.3	63.7	64.9	65.5	66.0	66.0	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4
≥ 6000	57.3	64.9	66.1	66.7	67.2	67.3	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.7	67.7
≥ 5000	59.6	67.6	68.9	69.5	70.0	70.1	70.3	70.4	70.4	70.4	70.4	70.4	70.5	70.5	70.5	70.5
≥ 4500	60.6	69.0	70.3	71.0	71.5	71.6	71.8	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.1
≥ 4000	62.7	71.7	73.2	73.9	74.6	74.7	74.8	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.2
≥ 3500	64.5	74.1	75.6	76.4	77.1	77.2	77.4	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 3000	67.1	77.1	78.7	79.6	80.5	80.6	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.1
≥ 2500	68.1	78.6	80.4	81.3	82.2	82.3	82.5	82.7	82.7	82.7	82.7	82.7	82.8	82.8	82.8	82.9
≥ 2000	69.9	81.0	82.8	83.8	84.7	84.9	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.4
≥ 1800	70.3	81.6	83.4	84.4	85.4	85.5	85.7	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.1
≥ 1500	71.2	83.2	85.2	86.4	87.5	87.7	87.9	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.3
≥ 1200	72.4	85.0	87.3	88.7	90.1	90.5	90.7	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.1	91.1
≥ 1000	72.7	85.7	88.3	89.9	91.5	91.9	92.3	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.7
≥ 900	72.8	85.9	88.6	90.4	92.1	92.6	93.0	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.4
≥ 800	72.9	86.3	89.1	91.2	93.1	93.7	94.1	94.3	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.6
≥ 700	72.9	86.5	89.5	91.9	94.0	94.7	95.2	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.7
≥ 600	72.9	86.6	89.7	92.2	94.7	95.4	96.0	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.6	96.7
≥ 500	72.9	86.6	89.8	92.5	95.3	96.2	96.9	97.3	97.5	97.6	97.6	97.6	97.7	97.7	97.8	97.9
≥ 400	72.9	86.6	89.8	92.6	95.4	96.5	97.3	97.9	98.2	98.3	98.4	98.4	98.4	98.5	98.6	98.7
≥ 300	72.9	86.6	89.8	92.6	95.5	96.7	97.6	98.2	98.5	98.7	98.8	98.8	98.9	98.9	99.1	99.2
≥ 200	72.9	86.6	89.8	92.6	95.5	96.7	97.6	98.3	98.6	98.9	99.0	99.0	99.1	99.2	99.4	99.6
≥ 100	72.9	86.6	89.8	92.6	95.5	96.7	97.6	98.3	98.6	98.9	99.1	99.1	99.3	99.4	99.6	99.9
≥ 0	72.9	86.6	89.9	92.6	95.5	96.7	97.6	98.3	98.6	98.9	99.1	99.1	99.3	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS

6202

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-75,80

USE WITH CAUTION  
SEE FIRST PAGE

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	37.5	45.7	47.7	49.0	51.2	51.4	51.4	52.3	52.3	52.5	52.5	52.5	53.0	53.0	53.2	53.7
IV 18000	39.2	48.1	50.3	51.7	53.9	54.1	54.1	55.0	55.0	55.2	55.2	55.2	55.7	55.7	55.9	56.3
IV 16000	39.2	48.1	50.3	51.7	53.9	54.1	54.1	55.0	55.0	55.2	55.2	55.2	55.7	55.7	55.9	56.3
IV 14000	39.7	48.6	50.8	52.1	54.3	54.5	54.5	55.4	55.4	55.7	55.7	55.7	56.1	56.1	56.3	56.8
IV 12000	40.1	49.4	51.9	53.2	55.4	55.7	55.7	56.5	56.5	56.8	56.8	56.8	57.2	57.2	57.4	57.9
IV 10000	42.1	51.7	54.1	55.4	57.9	58.3	58.8	59.6	59.6	59.9	59.9	59.9	60.3	60.3	60.5	61.0
IV 9000	43.0	52.5	55.0	56.3	58.8	59.2	59.6	60.5	60.5	60.8	60.8	60.8	61.2	61.2	61.4	61.9
IV 8000	45.7	56.5	59.0	60.3	62.7	63.2	63.6	64.5	64.5	64.7	64.7	64.7	65.2	65.2	65.4	65.9
IV 7000	46.1	57.4	60.3	61.4	63.9	64.3	64.7	65.6	65.6	65.9	65.9	65.9	66.3	66.3	66.5	67.0
IV 6000	46.6	57.9	60.5	61.9	64.3	64.7	65.2	66.1	66.1	66.3	66.3	66.3	66.7	66.7	67.0	67.4
IV 5000	47.0	58.5	61.2	62.5	65.0	65.4	65.9	66.7	66.7	67.0	67.0	67.0	67.4	67.4	67.6	68.1
IV 4500	47.2	58.8	61.4	62.7	65.2	65.6	66.1	67.0	67.0	67.2	67.2	67.2	67.6	67.6	67.8	68.3
IV 4000	47.5	59.6	62.3	63.6	66.1	66.5	67.0	67.8	67.8	68.1	68.1	68.1	68.5	68.5	68.7	69.2
IV 3500	47.9	60.3	63.0	64.3	66.7	67.2	67.6	68.5	68.5	68.7	68.7	68.7	69.2	69.2	69.4	69.8
IV 3000	48.6	61.0	63.9	65.2	67.8	68.3	68.7	69.6	69.6	69.8	69.8	69.8	70.3	70.3	70.5	71.0
IV 2500	48.8	61.6	64.5	65.9	68.7	69.2	69.6	70.5	70.5	70.7	70.7	70.7	71.2	71.2	71.4	71.8
IV 2000	49.7	63.9	67.2	68.7	72.1	72.5	72.9	73.8	73.8	74.1	74.1	74.1	74.5	74.5	74.7	75.2
IV 1800	50.6	65.0	68.3	69.8	73.2	73.6	74.1	74.9	74.9	75.2	75.2	75.2	75.6	75.6	75.8	76.3
IV 1500	52.1	67.0	70.5	72.1	75.6	76.1	76.5	77.4	77.4	77.6	77.6	77.6	78.0	78.0	78.3	78.7
IV 1200	53.9	70.3	74.3	75.8	79.8	81.2	81.8	82.7	82.9	83.1	83.1	83.1	83.6	83.6	83.8	84.3
IV 1000	54.3	71.6	75.6	77.6	81.6	82.9	83.6	84.7	84.9	85.1	85.1	85.1	85.6	85.6	85.8	86.3
IV 900	54.3	72.1	76.3	78.0	82.0	83.6	84.9	85.6	85.8	86.0	86.0	86.0	86.5	86.5	86.7	87.1
IV 800	54.6	73.6	78.3	80.7	84.7	86.9	87.8	88.9	89.1	89.4	89.4	89.4	89.8	89.8	90.0	90.5
IV 700	54.8	73.6	78.7	81.6	86.0	88.2	89.8	90.9	91.1	91.4	91.4	91.4	91.8	91.8	92.0	92.5
IV 600	54.8	73.6	78.7	81.6	87.1	89.8	91.4	92.7	93.1	93.3	93.3	93.3	93.8	93.8	94.0	94.5
IV 500	54.8	73.6	78.9	82.0	87.6	90.5	92.0	93.3	93.8	94.0	94.0	94.0	94.5	94.5	94.7	95.1
IV 400	54.8	73.6	78.9	82.0	88.5	91.4	93.1	94.5	95.8	96.2	96.2	96.2	96.7	96.7	96.9	97.3
IV 300	54.8	73.6	78.9	82.0	88.5	91.8	93.8	95.3	96.7	97.3	97.6	97.6	98.0	98.0	98.2	98.7
IV 200	54.8	73.6	78.9	82.0	88.7	92.0	94.0	95.6	96.9	97.6	98.0	98.0	98.4	98.4	98.7	99.1
IV 100	54.8	73.6	78.9	82.0	88.7	92.0	94.0	95.6	96.9	97.6	98.0	98.0	98.4	98.4	98.9	99.8
IV 0	54.8	73.6	78.9	82.0	88.7	92.0	94.0	95.6	96.9	97.6	98.0	98.0	98.4	98.4	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 451



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

147.3

WESTOVER AFB MA

69-70,73-75

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	24.4	33.6	34.4	34.9	37.1	38.2	38.7	40.0	40.7	41.1	41.8	42.0	42.2	42.7	42.7	43.1
≥ 20000	27.1	36.4	37.3	37.8	40.0	41.1	41.6	42.9	43.6	44.0	44.7	44.9	45.1	45.6	45.6	46.4
≥ 18000	27.3	36.9	37.8	38.2	40.4	41.6	42.0	43.3	44.0	44.4	45.1	45.3	45.6	46.0	46.0	46.9
≥ 16000	27.3	36.9	37.8	38.2	40.4	41.6	42.0	43.3	44.0	44.4	45.1	45.3	45.6	46.0	46.0	46.9
≥ 14000	27.6	37.1	38.0	38.4	40.7	41.8	42.2	43.6	44.2	44.7	45.3	45.6	45.8	46.2	46.2	47.1
≥ 12000	28.0	38.0	38.9	39.3	41.6	42.7	43.1	44.4	45.1	45.6	46.2	46.4	46.7	47.1	47.1	48.0
≥ 10000	30.9	40.9	41.8	42.2	44.4	45.6	46.2	47.6	48.2	48.7	49.3	49.6	49.8	50.2	50.2	51.1
≥ 9000	32.0	42.0	42.9	43.3	45.6	46.7	47.3	48.9	49.6	50.0	50.7	50.9	51.1	51.6	51.6	52.4
≥ 8000	32.9	43.3	44.4	45.1	47.3	48.4	49.1	50.7	51.3	51.8	52.4	52.7	52.9	53.3	53.3	54.2
≥ 7000	33.6	44.4	45.6	46.2	48.4	49.6	50.2	51.8	52.4	52.9	53.6	53.8	54.0	54.4	54.4	55.3
≥ 6000	34.7	46.0	47.1	47.8	50.0	51.1	51.8	53.3	54.0	54.4	55.1	55.3	55.6	56.0	56.0	56.9
≥ 5000	35.8	47.6	48.7	49.3	51.6	52.7	53.3	54.9	55.6	56.0	56.7	56.9	57.1	57.6	57.6	58.4
≥ 4500	36.2	48.0	49.1	49.8	52.0	53.1	53.8	55.3	56.0	56.4	57.1	57.3	57.6	58.0	58.0	58.9
≥ 4000	37.6	49.8	50.9	51.6	54.0	55.3	56.0	57.6	58.2	58.7	59.3	59.6	59.8	60.2	60.2	61.1
≥ 3500	37.8	50.2	51.6	52.2	54.7	56.0	56.9	58.4	59.1	59.6	60.2	60.4	60.7	61.1	61.1	62.0
≥ 3000	38.0	50.9	52.2	52.9	55.3	56.7	57.6	59.1	59.8	60.2	60.9	61.1	61.3	61.8	61.8	62.7
≥ 2500	38.7	51.6	52.9	53.6	56.0	57.3	58.7	60.2	60.9	61.8	62.4	62.7	62.9	63.3	63.3	64.2
≥ 2000	39.3	53.1	54.4	55.3	57.8	59.1	60.4	62.0	62.7	63.6	64.2	64.4	64.7	65.1	65.1	66.0
≥ 1800	39.6	53.3	54.7	55.6	58.0	59.3	60.7	62.2	62.9	63.8	64.4	64.7	64.9	65.3	65.3	66.2
≥ 1500	41.6	56.0	57.6	58.7	61.1	62.4	63.8	65.3	66.0	66.9	67.6	67.8	68.0	68.4	68.4	69.3
≥ 1200	42.2	58.7	60.4	61.8	64.4	65.8	67.1	68.7	69.3	70.2	70.9	71.1	71.3	71.8	71.8	72.7
≥ 1000	42.7	60.0	62.0	63.3	66.0	67.3	68.7	70.4	71.1	72.0	72.7	72.9	73.1	73.6	73.6	74.4
≥ 900	42.7	60.4	62.9	64.2	67.1	68.9	70.2	72.4	73.1	74.0	74.7	74.9	75.1	75.6	75.6	76.4
≥ 800	42.7	61.6	64.0	66.0	70.2	72.9	74.4	76.9	77.8	78.7	79.3	79.6	79.8	80.2	80.2	81.1
≥ 700	42.9	62.7	65.3	68.0	72.4	76.0	77.6	80.2	81.1	82.0	82.7	82.9	83.1	83.6	83.6	84.4
≥ 600	42.9	62.7	65.3	68.4	74.7	78.4	80.2	83.1	84.0	84.9	85.6	85.8	86.0	86.4	86.4	87.3
≥ 500	42.9	62.9	65.8	69.8	76.2	80.0	82.0	85.6	86.7	87.8	88.4	88.7	88.9	89.3	89.3	90.2
≥ 400	42.9	62.9	65.8	69.8	76.4	80.2	82.7	86.4	87.8	89.3	90.2	90.4	90.7	91.1	91.1	92.4
≥ 300	42.9	62.9	66.0	70.0	77.1	81.8	84.2	88.9	90.7	92.2	93.6	93.8	94.2	94.7	94.7	96.0
≥ 200	42.9	62.9	66.0	70.0	77.1	81.8	84.4	89.3	91.1	92.9	94.9	95.1	95.8	96.2	96.7	98.0
≥ 100	42.9	62.9	66.0	70.0	77.1	81.8	84.4	89.3	91.1	93.1	95.3	95.6	96.4	96.9	97.6	99.1
≥ 0	42.9	62.9	66.0	70.0	77.1	81.8	84.4	89.3	91.1	93.1	95.3	95.6	96.4	96.9	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 450

USAF ETAC FORM 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	31.7	39.5	41.6	43.3	45.2	46.1	47.2	47.3	47.3	47.3	47.3	47.3	47.4	47.6	47.6	47.6
≥ 20000	33.8	42.8	45.3	46.9	48.9	49.8	50.9	51.2	51.3	51.3	51.3	51.3	51.4	51.6	51.6	51.7
≥ 18000	33.8	42.9	45.4	47.1	49.1	49.9	51.1	51.3	51.4	51.4	51.4	51.4	51.5	51.7	51.7	51.8
≥ 16000	33.8	42.9	45.4	47.1	49.1	49.9	51.1	51.3	51.4	51.4	51.4	51.4	51.5	51.7	51.7	51.8
≥ 14000	33.9	43.0	45.5	47.2	49.2	50.1	51.2	51.4	51.5	51.5	51.5	51.5	51.6	51.8	51.8	51.9
≥ 12000	34.4	44.3	46.8	48.5	50.6	51.5	52.6	52.8	52.9	52.9	52.9	52.9	53.1	53.3	53.3	53.4
≥ 10000	36.4	46.7	49.6	51.5	53.7	54.7	55.8	56.1	56.2	56.2	56.2	56.2	56.3	56.5	56.5	56.6
≥ 9000	37.2	47.5	50.4	52.3	54.5	55.5	56.6	56.8	57.0	57.0	57.0	57.0	57.1	57.3	57.3	57.4
≥ 8000	38.7	49.6	52.6	54.8	57.2	58.2	59.3	59.5	59.6	59.6	59.6	59.6	59.7	60.0	60.0	60.1
≥ 7000	39.8	50.5	53.5	55.7	58.1	59.1	60.2	60.4	60.6	60.7	60.7	60.7	60.8	61.1	61.1	61.2
≥ 6000	40.2	51.4	54.5	56.8	59.2	60.2	61.3	61.5	61.7	61.8	61.8	61.8	62.0	62.2	62.2	62.3
≥ 5000	41.9	53.4	56.6	59.1	61.5	62.5	63.6	63.8	64.1	64.2	64.2	64.2	64.3	64.5	64.5	64.6
≥ 4500	42.3	53.7	57.0	59.4	61.8	62.8	64.0	64.2	64.4	64.5	64.5	64.5	64.6	64.8	64.8	65.0
≥ 4000	43.6	55.4	58.6	61.2	63.6	64.7	66.0	66.2	66.4	66.5	66.5	66.5	66.6	66.9	66.9	67.0
≥ 3500	44.2	56.3	59.5	62.1	64.5	65.6	66.9	67.1	67.3	67.4	67.4	67.4	67.5	67.7	67.7	67.9
≥ 3000	45.2	57.6	61.2	63.7	66.2	67.4	68.7	69.0	69.2	69.4	69.4	69.4	69.5	69.7	69.7	69.9
≥ 2500	46.2	58.7	62.4	65.0	67.5	68.7	70.1	70.5	70.7	71.0	71.0	71.0	71.1	71.3	71.3	71.4
≥ 2000	47.2	60.2	64.1	66.7	69.3	70.6	72.0	72.4	72.6	72.9	72.9	72.9	73.0	73.2	73.2	73.3
≥ 1800	47.6	60.8	64.8	67.6	70.2	71.5	72.9	73.3	73.5	73.7	73.7	73.7	73.9	74.1	74.1	74.2
≥ 1500	48.6	62.3	66.3	69.2	71.9	73.2	74.6	75.2	75.4	75.6	75.6	75.6	75.8	76.0	76.0	76.1
≥ 1200	49.1	63.8	68.0	71.0	74.2	75.5	77.1	77.6	77.9	78.1	78.1	78.1	78.2	78.4	78.4	78.5
≥ 1000	49.3	65.4	69.6	72.9	77.3	78.6	80.3	80.9	81.1	81.3	81.3	81.3	81.4	81.6	81.6	81.8
≥ 900	49.5	66.1	70.5	74.1	78.8	80.2	81.9	82.4	82.6	82.9	82.9	82.9	83.0	83.2	83.2	83.3
≥ 800	49.7	67.1	71.9	75.6	80.6	82.4	84.1	84.9	85.1	85.3	85.3	85.3	85.4	85.7	85.7	85.8
≥ 700	49.7	67.2	72.5	76.5	82.0	83.9	85.7	86.8	87.0	87.2	87.2	87.2	87.3	87.5	87.5	87.7
≥ 600	49.7	67.4	73.2	77.6	83.5	85.8	87.8	89.0	89.2	89.4	89.4	89.4	89.5	89.8	89.8	89.9
≥ 500	49.7	67.9	73.7	78.5	84.6	87.1	89.5	91.2	92.0	92.5	92.5	92.5	92.7	92.9	92.9	93.1
≥ 400	49.7	68.0	73.9	78.8	85.0	87.8	90.2	92.4	93.9	94.4	94.4	94.4	94.5	94.8	94.8	95.0
≥ 300	49.7	68.0	73.9	78.8	85.2	88.1	90.5	93.5	95.1	95.9	96.4	96.4	96.7	96.9	96.9	97.1
≥ 200	49.7	68.0	73.9	78.8	85.2	88.1	90.5	93.7	95.2	96.1	96.9	97.3	97.7	97.9	98.2	98.2
≥ 100	49.7	68.0	73.9	78.8	85.2	88.1	90.5	93.7	95.2	96.1	96.9	97.4	97.9	98.2	98.7	98.9
≥ 0	49.7	68.0	73.9	78.8	85.2	88.1	90.5	93.7	95.2	96.1	96.9	97.4	97.9	98.3	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 899



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING	38.9	47.6	49.1	50.0	50.7	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 20000	42.7	53.0	54.9	55.8	57.1	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 18000	42.7	53.0	54.9	55.8	57.2	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 16000	42.7	53.0	54.9	55.8	57.2	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 14000	43.3	53.7	55.6	56.4	57.9	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 12000	44.2	55.1	57.1	58.1	59.6	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 10000	45.8	58.0	60.3	61.4	63.1	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 9000	46.1	58.3	60.8	61.9	63.6	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 8000	47.7	60.4	62.9	64.2	66.1	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 7000	48.1	61.8	64.2	65.6	67.4	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 6000	49.0	62.7	65.2	66.6	68.4	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 5000	49.8	63.8	66.3	67.7	69.6	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4500	50.3	64.3	66.9	68.2	70.1	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 4000	51.5	65.9	68.6	70.0	72.0	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 3500	53.8	68.2	70.9	72.3	74.3	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 3000	55.3	70.3	73.0	74.6	76.9	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 2500	58.2	73.8	76.4	78.3	80.4	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2000	59.7	75.7	78.4	80.4	82.6	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1800	60.1	76.2	79.0	81.0	83.2	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1500	60.9	77.9	80.7	82.7	85.0	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1200	61.7	79.6	82.7	85.0	88.0	89.3	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1000	62.6	82.0	85.4	88.2	91.7	93.0	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 900	62.8	82.4	86.1	89.1	92.7	94.0	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 800	62.8	82.8	86.8	89.9	93.6	95.0	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 700	62.8	83.1	87.1	90.6	94.8	96.2	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600	62.8	83.1	87.1	90.7	95.2	96.7	97.3	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 500	62.8	83.1	87.2	91.1	96.0	97.7	98.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	62.8	83.1	87.2	91.1	96.0	97.7	98.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	62.8	83.1	87.2	91.1	96.0	97.7	98.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	62.8	83.1	87.2	91.1	96.0	97.7	98.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	62.8	83.1	87.2	91.1	96.0	97.7	98.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	62.8	83.1	87.2	91.1	96.0	97.7	98.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	38.2	45.6	46.3	46.4	46.8	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000	43.4	52.4	53.2	53.4	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 18000	43.4	52.4	53.2	53.4	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 16000	43.4	52.4	53.2	53.4	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 14000	43.4	52.4	53.3	53.6	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 12000	44.6	54.4	55.2	55.4	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 10000	45.9	56.8	57.6	58.3	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 9000	46.3	57.3	58.1	58.9	59.4	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 8000	48.0	60.0	60.8	61.8	62.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 7000	49.3	61.7	62.7	63.8	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 6000	50.6	62.9	64.0	65.2	66.1	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 5000	52.3	64.7	65.8	67.0	68.0	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 4500	54.8	67.7	68.8	70.0	71.0	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 4000	58.0	72.2	73.6	74.9	76.0	76.6	76.6	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 3500	60.9	75.9	77.2	78.6	79.8	80.3	80.3	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 3000	63.7	79.6	81.1	82.8	84.4	85.2	85.3	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 2500	65.6	81.9	83.4	85.1	86.8	87.6	87.7	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 2000	67.3	84.6	86.4	88.1	90.0	90.8	90.9	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 1800	67.9	85.3	87.3	89.0	90.9	91.7	91.8	92.0	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 1500	68.6	86.9	89.1	90.8	92.9	93.7	93.8	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1200	69.2	88.4	90.9	92.9	95.4	96.3	96.7	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1000	69.6	89.0	91.7	93.8	96.3	97.2	97.6	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 900	69.6	89.2	91.9	94.0	96.8	97.7	98.0	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 800	69.6	89.3	92.1	94.2	97.2	98.3	98.7	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	69.6	89.3	92.1	94.3	97.4	98.6	98.9	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	69.6	89.3	92.1	94.4	97.7	98.8	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	69.6	89.3	92.1	94.4	97.7	98.8	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	69.6	89.3	92.1	94.4	97.7	98.8	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	69.6	89.3	92.1	94.4	97.7	98.8	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	69.6	89.3	92.1	94.4	97.7	98.8	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	69.6	89.3	92.1	94.4	97.7	98.8	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	69.6	89.3	92.1	94.4	97.7	98.8	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	39.3	47.0	47.9	48.3	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 20000	45.9	56.2	57.2	57.8	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 18000	45.9	56.2	57.2	57.8	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 16000	46.0	56.3	57.3	57.9	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 14000	46.2	56.7	57.7	58.2	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 12000	48.1	59.1	60.1	60.7	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 10000	49.6	60.9	61.9	62.4	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 9000	50.8	62.8	63.8	64.3	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 8000	53.1	66.8	67.9	68.7	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 7000	54.2	68.3	69.6	70.4	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 6000	55.2	69.3	70.7	71.6	72.9	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 5000	58.3	72.6	74.1	75.2	76.6	76.7	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 4500	60.9	75.2	76.9	78.0	79.3	79.4	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000	63.4	78.9	80.8	81.9	83.2	83.3	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3500	65.9	81.8	83.8	84.9	86.3	86.4	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3000	67.4	84.1	86.6	87.7	89.1	89.2	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500	68.4	85.7	88.2	89.4	90.9	91.0	91.7	91.7	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2000	70.1	87.9	90.4	91.7	93.2	93.4	94.1	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1800	70.3	88.1	90.7	91.9	93.4	93.7	94.3	94.3	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1500	71.2	89.9	92.6	93.9	95.9	96.1	96.9	97.1	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1200	71.7	90.3	93.1	94.7	96.9	97.1	98.2	98.4	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000	71.7	90.7	93.4	95.0	97.6	97.8	98.9	99.1	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	71.7	90.8	93.6	95.1	97.8	98.0	99.1	99.3	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	71.7	90.8	93.7	95.2	97.9	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	71.7	90.8	93.7	95.2	97.9	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	71.7	90.8	93.7	95.2	97.9	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	71.7	90.8	93.7	95.2	97.9	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	71.7	90.8	93.7	95.2	97.9	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	71.7	90.8	93.7	95.2	97.9	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	71.7	90.8	93.7	95.2	97.9	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	71.7	90.8	93.7	95.2	97.9	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	71.7	90.8	93.7	95.2	97.9	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

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WESTOVER AFB MA

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MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	40.4	47.1	47.8	48.1	49.1	49.3	49.3	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 18000	46.2	56.3	57.0	57.7	59.0	59.4	59.4	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 16000	46.3	56.4	57.1	57.8	59.1	59.6	59.6	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 14000	46.6	56.8	57.4	58.1	59.4	59.9	59.9	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 12000	47.2	57.8	58.4	59.1	60.4	60.9	60.9	61.4	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 10000	49.0	60.0	60.7	61.3	62.7	63.2	63.3	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 9000	50.8	62.1	62.9	63.6	65.1	65.8	65.9	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 8000	51.3	62.9	63.7	64.3	65.9	66.6	66.7	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 7000	54.3	67.0	67.8	68.6	70.3	71.0	71.1	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 6000	55.7	68.9	69.8	70.7	72.6	73.2	73.3	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 5000	56.7	70.0	71.0	71.9	73.8	74.6	74.7	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 4500	58.8	73.0	74.1	75.0	76.9	77.7	77.9	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 4000	59.6	74.1	75.2	76.2	78.1	78.9	79.1	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 3500	61.9	77.9	79.0	80.3	82.4	83.2	83.6	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 3000	62.7	79.0	80.1	81.8	84.0	84.8	85.1	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 2500	64.6	81.0	82.2	83.9	86.2	87.0	87.3	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 2000	65.8	83.6	85.0	86.9	89.6	90.3	90.7	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1800	66.3	84.6	86.1	88.2	90.9	91.7	92.0	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1600	66.4	84.8	86.3	88.4	91.1	92.0	92.4	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1400	66.8	85.8	87.3	89.6	92.2	93.3	93.8	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1200	67.1	86.9	88.7	91.3	94.1	95.4	96.1	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1000	67.1	87.0	88.8	91.7	94.6	95.9	96.6	97.4	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 900	67.2	87.2	89.0	92.0	95.1	96.6	97.2	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 800	67.2	87.2	89.1	92.1	95.3	96.8	97.4	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700	67.2	87.2	89.1	92.1	95.6	97.0	97.8	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	67.2	87.2	89.1	92.2	95.7	97.1	97.9	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	67.2	87.2	89.1	92.2	95.7	97.1	97.9	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	67.2	87.2	89.1	92.2	95.7	97.2	98.0	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	67.2	87.2	89.1	92.2	95.7	97.2	98.0	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	67.2	87.2	89.1	92.2	95.7	97.2	98.0	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	67.2	87.2	89.1	92.2	95.7	97.2	98.0	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	67.2	87.2	89.1	92.2	95.7	97.2	98.0	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 9CC



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

14703

WESTOVER AFB MA

69-70,73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	43.8	51.2	51.9	52.9	53.9	54.2	54.4	55.1	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 20000	47.3	55.9	56.7	57.9	58.9	59.4	59.5	60.2	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 18000	47.3	55.9	56.7	57.9	58.9	59.4	59.5	60.2	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 16000	47.3	55.9	56.7	57.9	58.9	59.4	59.5	60.2	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 14000	47.8	56.4	57.2	58.4	59.4	59.9	60.0	60.7	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 12000	49.4	58.2	59.0	60.2	61.2	61.7	62.0	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 10000	51.4	60.2	61.2	62.5	63.8	64.5	64.8	65.5	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 9000	51.4	60.2	61.2	62.5	63.8	64.5	64.8	65.5	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 8000	53.4	63.2	64.2	65.5	67.0	67.7	68.0	68.7	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.3
≥ 7000	54.3	64.2	65.2	66.5	68.0	68.7	69.0	69.7	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.3
≥ 6000	54.7	65.2	66.2	67.5	69.0	69.7	70.0	70.6	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.3
≥ 5000	55.7	66.5	67.5	68.8	70.3	71.0	71.3	72.0	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.6
≥ 4500	56.6	67.5	68.5	69.8	71.3	72.0	72.3	73.0	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.6
≥ 4000	57.5	69.5	70.5	71.8	73.3	74.0	74.3	75.0	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.6
≥ 3500	58.7	70.8	72.0	73.5	75.1	75.8	76.1	76.8	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.4
≥ 3000	60.4	73.6	75.1	77.1	78.9	79.6	80.1	80.8	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.4
≥ 2500	60.7	74.5	76.3	78.3	80.1	80.8	81.3	81.9	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.6
≥ 2000	62.0	76.0	78.1	80.4	82.3	82.9	83.6	84.2	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.9
≥ 1800	62.9	76.9	79.3	81.6	83.4	84.1	84.7	85.4	85.7	85.9	85.9	85.9	85.9	85.9	85.9	86.1
≥ 1500	64.2	78.6	81.1	83.7	85.6	86.4	87.2	87.9	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.6
≥ 1200	64.3	80.3	82.9	86.1	88.2	89.7	90.5	91.2	91.7	91.9	91.9	91.9	91.9	91.9	91.9	92.0
≥ 1000	65.2	81.9	84.7	87.9	90.0	91.9	93.2	93.9	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.7
≥ 900	65.5	82.4	85.2	88.6	90.7	92.7	94.0	94.7	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.5
≥ 800	65.5	82.6	85.6	89.1	91.5	93.7	95.0	95.7	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.5
≥ 700	65.5	82.6	85.9	89.7	92.5	94.7	96.0	96.7	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.8
≥ 600	65.5	83.1	86.6	90.4	93.4	95.5	96.8	97.5	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.8
≥ 500	65.5	83.1	86.6	90.5	93.7	95.9	97.2	97.8	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.3
≥ 400	65.5	83.1	86.6	90.9	94.0	96.2	97.5	98.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	100.0
≥ 300	65.5	83.1	86.6	90.9	94.0	96.2	97.5	98.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	100.0
≥ 200	65.5	83.1	86.6	90.9	94.0	96.2	97.5	98.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	100.0
≥ 100	65.5	83.1	86.6	90.9	94.0	96.2	97.5	98.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	100.0
≥ 0	65.5	83.1	86.6	90.9	94.0	96.2	97.5	98.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 603



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14733  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING	37.2	45.1	46.3	47.0	48.1	48.5	48.8	49.1	49.2	49.3	49.3	49.4	49.4	49.5	49.5	49.6
≥ 20000	41.5	51.1	52.4	53.2	54.5	55.0	55.2	55.6	55.7	55.8	55.8	55.8	55.9	56.0	56.0	56.1
≥ 18000	41.5	51.1	52.5	53.3	54.6	55.1	55.3	55.7	55.8	55.8	55.9	55.9	56.0	56.0	56.1	56.2
IV 16000	41.6	51.2	52.5	53.4	54.7	55.1	55.4	55.7	55.8	55.9	56.0	56.0	56.1	56.1	56.1	56.2
IV 14000	41.9	51.6	53.0	53.8	55.1	55.6	55.8	56.2	56.3	56.3	56.4	56.4	56.5	56.5	56.6	56.7
IV 12000	43.1	53.3	54.7	55.6	56.9	57.4	57.7	58.0	58.1	58.2	58.2	58.3	58.3	58.4	58.4	58.5
IV 10000	44.9	55.6	57.2	58.2	59.7	60.2	60.6	60.9	61.0	61.1	61.1	61.2	61.3	61.3	61.3	61.4
IV 9000	45.9	56.4	58.0	59.0	60.5	61.1	61.4	61.8	61.9	61.9	62.0	62.0	62.1	62.1	62.2	62.3
IV 8000	47.5	59.4	61.0	62.2	63.9	64.5	64.8	65.2	65.3	65.4	65.4	65.5	65.5	65.6	65.6	65.7
IV 7000	48.4	60.7	62.4	63.7	65.4	66.0	66.4	66.7	66.8	66.9	67.0	67.0	67.1	67.1	67.2	67.3
IV 6000	49.3	61.8	63.5	64.8	66.5	67.1	67.5	67.9	68.0	68.1	68.2	68.2	68.3	68.3	68.3	68.5
IV 5000	51.0	63.7	65.5	66.9	68.6	69.3	69.7	70.1	70.2	70.3	70.4	70.4	70.5	70.5	70.5	70.7
IV 4500	52.1	65.0	66.8	68.2	70.0	70.6	71.1	71.4	71.6	71.7	71.7	71.8	71.8	71.9	71.9	72.0
IV 4000	53.9	67.7	69.6	71.1	72.9	73.6	74.1	74.5	74.6	74.7	74.8	74.8	74.9	74.9	75.0	75.1
IV 3500	55.4	69.5	71.5	73.0	75.0	75.7	76.2	76.6	76.7	76.8	76.9	76.9	77.0	77.0	77.0	77.2
IV 3000	57.0	71.6	73.8	75.5	77.6	78.4	78.9	79.3	79.4	79.6	79.6	79.7	79.7	79.8	79.8	79.9
IV 2500	58.3	73.5	75.8	77.5	79.6	80.4	81.0	81.5	81.6	81.8	81.8	81.9	82.0	82.0	82.0	82.1
IV 2000	59.5	75.3	77.8	79.6	81.9	82.7	83.3	83.8	83.9	84.1	84.2	84.2	84.3	84.3	84.3	84.5
IV 1800	59.9	75.9	78.4	80.3	82.5	83.4	84.0	84.5	84.6	84.8	84.9	84.9	85.0	85.0	85.0	85.2
IV 1500	60.9	77.5	80.1	82.1	84.5	85.4	86.1	86.6	86.8	87.0	87.1	87.1	87.2	87.2	87.2	87.4
IV 1200	61.5	79.1	81.9	84.2	86.9	88.1	88.9	89.5	89.7	89.9	89.9	90.0	90.0	90.1	90.1	90.2
IV 1000	61.8	80.2	83.2	85.6	88.7	89.8	90.8	91.4	91.6	91.8	91.9	91.9	92.0	92.0	92.0	92.2
IV 900	61.9	80.5	83.6	86.2	89.4	90.7	91.6	92.3	92.5	92.7	92.8	92.8	92.9	92.9	93.0	93.1
IV 800	62.0	81.0	84.3	87.0	90.5	92.0	92.9	93.7	94.0	94.2	94.2	94.3	94.3	94.4	94.4	94.5
IV 700	62.0	81.1	84.6	87.5	91.3	92.9	93.9	94.8	95.1	95.3	95.4	95.4	95.5	95.6	95.6	95.7
IV 600	62.0	81.2	84.7	87.6	92.0	93.7	94.8	95.8	96.1	96.3	96.4	96.4	96.5	96.6	96.6	96.7
IV 500	62.0	81.3	84.9	88.2	92.4	94.2	95.5	96.6	97.1	97.4	97.5	97.5	97.6	97.6	97.7	97.8
IV 400	62.0	81.3	84.9	88.2	92.6	94.4	95.7	97.0	97.7	98.0	98.1	98.1	98.2	98.3	98.3	98.5
IV 300	62.0	81.3	84.9	88.3	92.7	94.6	96.0	97.4	98.2	98.6	98.8	98.8	98.9	99.0	99.0	99.2
IV 200	62.0	81.3	84.9	88.3	92.7	94.7	96.0	97.5	98.2	98.7	99.0	99.1	99.2	99.3	99.4	99.5
IV 100	62.0	81.3	84.9	88.3	92.7	94.7	96.0	97.5	98.2	98.7	99.0	99.1	99.3	99.4	99.5	99.8
IV 0	62.0	81.3	84.9	88.3	92.7	94.7	96.0	97.5	98.2	98.7	99.0	99.1	99.3	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 6002



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-75,78

USE WITH CAUTION  
SEE FIRST PAGE

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¼	≥0
NO CEILING	36.5	44.8	47.6	48.5	49.8	51.7	51.7	51.9	52.4	52.4	52.4	52.4	52.6	52.6	53.0	53.0
≥ 20000	37.6	46.4	49.4	50.4	52.1	54.3	54.5	54.7	55.2	55.2	55.2	55.2	55.4	55.4	55.8	55.8
IV 18000	37.6	46.4	49.4	50.4	52.1	54.3	54.5	54.7	55.2	55.2	55.2	55.2	55.4	55.4	55.8	55.8
IV 16000	37.6	46.4	49.4	50.4	52.1	54.3	54.5	54.7	55.2	55.2	55.2	55.2	55.4	55.4	55.8	55.8
IV 14000	37.6	46.6	49.6	50.6	52.4	54.5	54.7	54.9	55.4	55.4	55.4	55.4	55.6	55.6	56.0	56.0
IV 12000	39.1	48.5	51.5	52.6	54.3	56.4	56.7	56.9	57.3	57.3	57.3	57.3	57.5	57.5	57.9	57.9
IV 10000	42.5	52.4	55.6	56.7	58.4	60.5	60.7	60.9	61.4	61.4	61.4	61.4	61.6	61.6	62.0	62.0
IV 9000	42.5	52.8	56.0	57.1	59.0	61.2	61.4	61.6	62.0	62.0	62.0	62.0	62.2	62.2	62.7	62.7
IV 8000	44.4	56.4	59.9	60.9	62.9	65.0	65.2	65.5	65.9	65.9	65.9	65.9	66.1	66.1	66.5	66.5
IV 7000	44.8	57.1	60.5	61.6	63.5	65.7	65.9	66.1	66.5	66.5	66.5	66.5	66.7	66.7	67.2	67.2
IV 6000	47.0	59.2	62.7	63.7	65.7	67.8	68.0	68.2	68.7	68.7	68.7	68.7	68.9	68.9	69.3	69.3
IV 5000	47.6	60.3	63.7	64.8	66.7	68.9	69.1	69.3	69.7	69.7	69.7	69.7	70.0	70.0	70.4	70.4
IV 4500	48.1	60.9	64.4	65.5	67.4	69.5	69.7	70.0	70.4	70.4	70.4	70.4	70.6	70.6	71.0	71.0
IV 4000	48.5	62.0	65.5	66.7	68.7	71.7	72.1	72.7	73.2	73.2	73.2	73.2	73.4	73.4	73.8	73.8
IV 3500	49.8	63.9	67.4	68.7	70.6	73.8	74.2	74.9	75.3	75.3	75.3	75.3	75.5	75.5	76.0	76.0
IV 3000	49.8	64.6	68.0	69.5	71.5	74.7	75.1	75.8	76.2	76.2	76.2	76.2	76.4	76.4	76.8	76.8
IV 2500	50.4	65.5	68.9	70.4	72.3	75.5	76.0	76.6	77.0	77.0	77.0	77.0	77.3	77.3	77.7	77.7
IV 2000	51.5	67.6	71.2	73.0	75.3	78.5	79.0	79.6	80.0	80.0	80.0	80.0	80.3	80.3	80.7	80.7
IV 1800	51.7	68.7	72.3	74.0	76.4	79.6	80.3	80.9	81.3	81.3	81.3	81.3	81.5	81.5	82.0	82.0
IV 1500	51.7	69.5	73.6	75.5	78.3	81.5	82.2	82.8	83.3	83.3	83.3	83.3	83.5	83.5	83.9	83.9
IV 1200	52.1	71.0	75.3	77.3	80.9	85.0	85.6	86.3	86.7	86.7	86.7	86.7	86.9	86.9	87.3	87.3
IV 1000	52.1	73.0	77.3	79.2	83.9	88.4	89.1	89.7	90.1	90.1	90.1	90.1	90.3	90.3	90.8	90.8
IV 900	52.1	73.2	77.5	79.4	84.1	88.6	89.5	90.1	90.6	90.6	90.6	90.6	90.8	90.8	91.2	91.2
IV 800	52.6	74.7	79.0	81.5	86.5	91.0	92.1	92.7	93.1	93.1	93.1	93.1	93.3	93.3	94.0	94.0
IV 700	52.6	74.9	79.2	81.8	86.9	91.4	92.5	93.1	93.6	93.6	93.6	93.6	93.8	93.8	94.4	94.4
IV 600	52.6	75.1	79.6	82.2	87.8	92.5	93.6	94.4	94.8	94.8	94.8	94.8	95.1	95.1	95.7	95.7
IV 500	52.6	75.1	79.6	82.2	88.4	93.3	95.1	95.9	96.4	96.4	96.4	96.4	96.6	96.6	97.2	97.2
IV 400	52.6	75.1	79.6	82.2	88.4	93.6	95.9	97.0	97.6	97.6	97.6	97.6	97.9	98.1	98.3	98.3
IV 300	52.6	75.1	79.6	82.2	88.4	93.6	95.9	97.4	98.1	98.1	98.1	98.1	98.3	98.5	98.7	98.7
IV 200	52.6	75.1	79.6	82.2	88.4	93.6	95.9	97.4	98.1	98.1	98.1	98.1	98.3	98.5	98.7	98.7
IV 100	52.6	75.1	79.6	82.2	88.4	93.6	95.9	97.4	98.1	98.1	98.1	98.1	98.3	98.5	98.7	98.7
0	52.6	75.1	79.6	82.2	88.4	93.6	95.9	97.4	98.1	98.1	98.1	98.1	98.3	98.5	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 466



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

14703

WESTOVER AFB MA

69-70,73-75

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	30.3	37.8	39.8	40.4	42.4	44.1	44.7	46.0	46.7	47.1	47.3	47.5	47.5	47.5	47.5	47.5
IV 20000	31.6	40.4	42.4	43.4	45.6	47.5	48.6	50.3	51.0	51.4	51.6	51.8	51.8	51.8	51.8	51.8
IV 18000	31.6	40.4	42.4	43.4	45.6	47.5	48.6	50.3	51.0	51.4	51.6	51.8	51.8	51.8	51.8	51.8
IV 16000	31.6	40.4	42.4	43.4	45.6	47.5	48.6	50.3	51.0	51.4	51.6	51.8	51.8	51.8	51.8	51.8
IV 14000	31.6	40.4	42.4	43.4	45.6	47.5	48.6	50.3	51.0	51.4	51.6	51.8	51.8	51.8	51.8	51.8
IV 12000	32.7	41.5	43.4	44.5	46.7	48.6	49.7	51.4	52.0	52.5	52.9	53.1	53.1	53.1	53.1	53.1
IV 10000	35.7	44.5	46.9	48.4	50.8	52.7	53.8	55.5	56.1	56.6	57.0	57.2	57.2	57.2	57.2	57.2
IV 9000	36.6	45.4	47.7	49.2	51.6	53.5	54.6	56.3	57.0	57.4	57.8	58.1	58.1	58.1	58.1	58.1
IV 8000	38.3	48.6	51.0	52.5	54.8	57.0	58.1	59.8	60.4	60.9	61.3	61.5	61.5	61.5	61.5	61.5
IV 7000	39.4	49.9	52.5	54.0	56.3	58.5	59.6	61.3	61.9	62.4	62.8	63.0	63.0	63.0	63.0	63.0
IV 6000	39.6	50.5	53.1	54.6	57.4	59.6	60.6	62.4	63.0	63.4	63.9	64.1	64.1	64.1	64.1	64.1
IV 5000	40.9	52.7	55.3	56.8	59.8	61.9	63.0	64.9	65.6	66.0	66.5	66.7	66.7	66.7	66.7	66.7
IV 4500	41.1	53.1	55.7	57.2	60.2	62.6	63.7	65.6	66.2	66.7	67.1	67.3	67.3	67.3	67.3	67.3
IV 4000	41.5	54.8	57.6	59.1	62.2	64.7	65.8	68.0	68.6	69.0	69.5	69.7	69.7	69.7	69.7	69.7
IV 3500	41.7	55.1	57.8	59.4	62.4	64.9	66.0	68.2	68.8	69.2	69.7	69.9	69.9	69.9	69.9	69.9
IV 3000	41.7	55.5	58.5	60.0	63.4	66.2	67.3	69.5	70.3	70.8	71.2	71.4	71.4	71.4	71.4	71.4
IV 2500	41.7	55.5	58.5	60.2	63.7	66.9	68.0	70.1	71.0	71.4	71.8	72.0	72.0	72.0	72.0	72.0
IV 2000	43.4	58.5	61.7	63.7	67.5	71.4	72.7	74.8	75.7	76.3	76.8	77.0	77.0	77.0	77.0	77.0
IV 1800	43.4	58.5	61.7	63.7	68.0	72.3	73.5	75.7	76.6	77.2	77.6	77.8	77.8	77.8	77.8	77.8
IV 1500	43.4	58.5	61.9	64.3	68.8	73.1	74.6	76.8	77.6	78.3	78.7	78.9	78.9	78.9	78.9	78.9
IV 1200	43.4	59.1	63.2	66.0	71.2	75.5	77.6	80.0	80.9	81.5	81.9	82.2	82.2	82.2	82.2	82.2
IV 1000	43.4	60.6	64.7	67.7	73.5	78.1	80.2	82.6	83.4	84.1	84.5	84.7	84.7	84.7	84.7	84.7
IV 900	43.4	60.9	64.9	68.0	73.8	78.3	80.4	83.0	83.9	84.5	84.9	85.2	85.2	85.2	85.2	85.2
IV 800	43.9	62.6	66.7	69.9	76.1	81.1	83.2	85.8	86.9	87.5	88.0	88.2	88.2	88.2	88.2	88.2
IV 700	43.9	63.4	67.7	71.0	77.4	82.8	85.0	88.2	89.2	89.9	90.3	90.5	90.5	90.5	90.5	90.5
IV 600	43.9	63.4	68.4	71.6	78.5	83.7	87.1	90.1	91.2	91.8	92.3	92.5	92.5	92.5	92.5	92.5
IV 500	43.9	63.4	68.4	71.6	79.1	84.3	87.7	91.2	92.5	93.1	93.5	93.8	93.8	93.8	93.8	93.8
IV 400	43.9	63.4	68.4	71.6	79.1	84.3	87.7	91.2	92.7	93.8	94.2	94.6	94.6	95.1	95.1	95.1
IV 300	43.9	63.4	68.4	71.6	79.1	84.7	88.2	92.5	94.2	95.3	95.9	96.3	96.8	97.0	97.4	98.1
IV 200	43.9	63.4	68.4	71.6	79.1	84.7	88.2	92.5	94.2	95.3	96.1	96.6	97.0	97.2	97.6	98.5
IV 100	43.9	63.4	68.4	71.6	79.1	84.7	88.2	92.5	94.2	95.3	96.1	96.6	97.0	97.2	97.8	99.1
IV 0	43.9	63.4	68.4	71.6	79.1	84.7	88.2	92.5	94.2	95.3	96.1	96.6	97.0	97.2	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 465



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

ESTOVER AFB MA

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0600  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING ≥ 20000	31.5	40.4	41.9	43.5	46.9	48.1	48.7	49.4	49.5	49.8	49.8	49.9	50.0	50.2	50.4	50.8
≥ 8000 ≥ 6000	35.3	45.7	47.3	49.4	52.9	54.2	54.9	55.6	56.0	56.3	56.3	56.5	56.6	56.8	57.0	57.3
≥ 4000 ≥ 2000	35.4	46.0	47.6	49.7	53.2	54.5	55.3	55.9	56.3	56.7	56.7	56.8	56.9	57.1	57.3	57.6
≥ 1000 ≥ 500	35.8	46.7	48.3	50.3	53.9	55.4	56.1	56.8	57.2	57.5	57.5	57.6	57.7	58.0	58.2	58.5
≥ 1000 ≥ 900	36.2	47.2	49.2	51.4	55.3	56.8	57.5	58.3	58.7	59.0	59.0	59.1	59.2	59.5	59.7	60.0
≥ 1000 ≥ 800	38.8	51.4	53.5	55.8	59.9	61.5	62.3	63.0	63.4	63.8	63.8	63.9	64.0	64.2	64.4	64.7
≥ 1000 ≥ 700	39.8	52.6	54.7	57.0	61.2	62.8	63.5	64.3	64.7	65.1	65.1	65.2	65.3	65.5	65.8	66.1
≥ 1000 ≥ 600	41.3	55.1	57.3	59.7	64.1	66.0	66.9	67.6	68.1	68.4	68.4	68.5	68.6	68.8	69.1	69.5
≥ 1000 ≥ 5000	42.0	55.8	58.1	60.5	65.1	67.0	68.0	68.7	69.1	69.5	69.5	69.6	69.7	69.9	70.2	70.5
≥ 1000 ≥ 4000	42.4	56.3	58.6	61.1	65.8	67.7	68.8	69.7	70.1	70.4	70.4	70.5	70.6	70.9	71.2	71.5
≥ 1000 ≥ 3000	43.2	57.6	59.9	62.5	67.3	69.2	70.4	71.4	71.8	72.2	72.2	72.3	72.4	72.6	72.9	73.2
≥ 1000 ≥ 2000	43.8	58.3	60.9	63.1	68.0	69.9	71.1	72.0	72.5	72.8	72.8	72.9	73.0	73.2	73.5	73.9
≥ 1000 ≥ 1800	44.5	59.9	62.3	64.8	69.9	71.8	73.1	74.2	74.6	74.9	74.9	75.1	75.2	75.4	75.7	76.0
≥ 1000 ≥ 1600	44.6	60.3	62.7	65.3	70.3	72.3	73.5	74.6	75.1	75.4	75.4	75.5	75.6	75.8	76.1	76.5
≥ 1000 ≥ 1400	44.8	60.5	62.9	65.6	70.9	72.8	74.2	75.4	75.8	76.1	76.1	76.2	76.3	76.6	76.9	77.2
≥ 1000 ≥ 1200	45.1	61.1	63.9	66.6	71.8	73.9	75.3	76.5	76.9	77.2	77.2	77.3	77.4	77.6	78.0	78.3
≥ 1000 ≥ 1000	45.3	61.9	65.1	67.8	74.0	76.0	77.5	78.7	79.1	79.5	79.5	79.6	79.7	79.9	80.2	80.5
≥ 1000 ≥ 900	45.4	62.3	65.6	68.5	74.7	76.9	78.4	79.6	80.0	80.3	80.3	80.4	80.5	80.8	81.1	81.4
≥ 1000 ≥ 800	46.0	63.7	67.1	70.2	76.8	79.2	80.8	81.9	82.4	82.7	82.7	82.8	82.9	83.1	83.4	83.8
≥ 1000 ≥ 700	46.2	64.6	68.4	71.6	78.7	81.2	82.7	83.9	84.3	84.6	84.6	84.7	84.8	85.1	85.4	85.7
≥ 1000 ≥ 600	46.2	64.9	69.5	73.2	80.9	84.0	85.7	87.0	87.4	87.8	88.0	88.1	88.2	88.4	88.7	89.0
≥ 1000 ≥ 500	46.2	65.2	70.0	74.1	81.9	85.1	87.0	88.4	88.9	89.4	89.5	89.6	89.7	89.9	90.2	90.5
≥ 1000 ≥ 400	46.2	65.4	70.2	74.6	82.7	86.0	88.0	89.4	89.9	90.3	90.4	90.5	90.6	90.9	91.2	91.5
≥ 1000 ≥ 300	46.2	65.4	70.3	75.2	83.4	87.1	89.8	91.5	92.0	92.7	92.8	92.9	93.0	93.2	93.5	93.9
≥ 1000 ≥ 200	46.2	65.4	70.3	75.4	84.4	88.5	91.3	93.1	93.8	94.4	94.5	94.6	94.7	94.9	95.3	95.6
≥ 1000 ≥ 100	46.2	65.4	70.3	75.5	84.6	88.9	91.9	94.2	94.9	96.1	96.2	96.5	96.8	97.1	97.5	97.8
≥ 1000 ≥ 0	46.2	65.4	70.3	75.5	84.6	89.0	92.0	94.4	95.5	96.9	97.2	97.5	97.8	98.3	98.8	99.2
≥ 1000 ≥ 0	46.2	65.4	70.3	75.5	84.6	89.0	92.0	94.4	95.5	96.9	97.2	97.5	98.1	98.5	99.4	99.9
≥ 1000 ≥ 0	46.2	65.4	70.3	75.5	84.6	89.0	92.0	94.4	95.5	96.9	97.2	97.5	98.1	98.5	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	38.3	48.4	52.5	54.5	56.1	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 20000	42.3	54.1	58.4	60.8	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 18000	42.3	54.2	58.5	60.9	62.8	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 16000	42.3	54.3	58.6	61.0	62.9	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 14000	43.0	55.2	59.5	61.8	63.8	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 12000	44.8	58.1	62.4	64.7	66.7	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 10000	46.6	60.2	64.6	67.1	69.1	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 9000	47.1	60.8	65.2	67.6	69.7	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 8000	48.7	63.0	67.4	70.0	72.0	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 7000	48.9	63.6	68.5	71.1	73.1	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 6000	49.8	64.8	69.6	72.2	74.4	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 5000	51.0	66.3	71.2	73.9	76.1	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 4500	51.8	67.3	72.2	74.8	77.1	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4000	52.9	68.4	73.3	76.0	78.4	78.9	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 3500	53.8	69.5	74.7	77.4	79.8	80.3	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 3000	54.4	70.6	76.2	79.1	81.6	82.2	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 2500	55.9	72.8	78.5	81.6	84.1	84.7	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 2000	56.3	75.4	81.5	85.1	88.0	88.6	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1800	56.7	76.2	82.4	85.9	88.8	89.4	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1500	57.1	77.7	84.0	87.6	90.8	91.5	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1200	57.3	78.7	85.5	89.5	93.1	94.1	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1000	57.3	78.9	85.7	90.0	93.8	94.7	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 900	57.3	79.1	85.9	90.3	94.4	95.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	57.3	79.6	86.5	91.0	95.3	96.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 700	57.3	79.7	86.6	91.6	95.9	97.0	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600	57.3	80.0	86.9	92.0	96.5	97.5	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	57.3	80.0	86.9	92.0	96.5	97.7	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	57.3	80.0	86.9	92.0	96.5	97.8	99.0	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	57.3	80.0	86.9	92.0	96.5	97.8	99.0	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	57.3	80.0	86.9	92.0	96.5	97.8	99.0	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	57.3	80.0	86.9	92.0	96.5	97.8	99.0	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	57.3	80.0	86.9	92.0	96.5	97.8	99.0	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIP WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	42.7	52.6	54.1	54.9	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 20000	47.7	59.9	61.9	62.9	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 18000	47.8	60.1	62.2	63.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 16000	48.1	60.3	62.4	63.3	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 14000	48.8	61.5	63.7	64.6	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 12000	51.3	64.7	66.9	67.8	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 10000	53.2	67.0	69.6	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 9000	54.1	68.0	70.5	71.8	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 8000	56.6	70.9	73.4	74.7	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 7000	57.0	71.5	74.1	75.4	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 6000	57.8	72.4	74.9	76.3	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 5000	58.3	73.0	76.0	77.4	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 4500	59.9	74.8	78.0	79.4	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 4000	62.8	78.2	81.6	83.0	83.8	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 3500	63.5	79.4	83.0	84.4	85.2	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 3000	65.3	82.5	86.6	88.1	88.8	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 2500	66.3	84.5	88.6	90.1	91.2	91.6	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 2000	66.7	86.0	90.3	91.9	93.4	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1800	66.8	86.7	91.0	92.6	94.1	94.5	94.9	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1500	67.0	87.2	91.6	93.2	94.9	95.5	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1200	67.0	87.3	91.7	93.5	95.5	96.2	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1000	67.3	87.7	92.3	94.2	96.2	97.0	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 900	67.3	87.8	92.4	94.4	96.5	97.2	98.1	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 800	67.3	87.8	92.6	94.6	96.8	97.7	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 700	67.3	87.8	92.7	94.8	97.0	98.0	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	67.3	87.8	92.7	94.8	97.2	98.2	99.1	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	67.3	87.8	92.7	94.8	97.2	98.3	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	67.3	87.8	92.7	94.8	97.3	98.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	67.3	87.8	92.7	94.8	97.3	98.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	67.3	87.8	92.7	94.8	97.3	98.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	67.3	87.8	92.7	94.8	97.3	98.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	67.3	87.8	92.7	94.8	97.3	98.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	40.2	47.7	48.4	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 18000	48.0	57.7	58.5	60.0	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 16000	48.0	58.0	58.7	60.2	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 14000	48.8	59.1	59.9	61.4	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 12000	51.1	62.2	63.0	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 10000	54.1	65.7	66.6	68.3	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 9000	55.5	67.5	68.5	70.2	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 8000	58.7	71.8	72.9	74.7	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 7000	59.9	73.5	74.6	76.5	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 6000	61.0	74.7	75.8	77.6	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 5000	62.3	76.1	77.2	79.2	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 4500	63.4	78.2	79.2	81.3	82.4	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 4000	65.6	81.4	82.5	84.7	85.9	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 3500	66.5	82.7	84.3	86.7	88.0	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 3000	67.4	85.4	87.1	89.8	91.1	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 2500	67.8	86.1	88.0	90.8	92.0	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 2000	68.1	86.9	88.9	92.0	93.5	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1800	68.2	87.1	89.1	92.3	94.0	94.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1500	68.4	87.7	90.0	93.2	95.1	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1200	68.6	88.1	90.3	93.7	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1000	68.8	88.5	90.9	94.4	97.4	98.3	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0
IV 900	69.0	88.7	91.1	94.6	97.6	98.5	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2
IV 800	69.1	88.8	91.3	94.8	97.8	98.7	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5
IV 700	69.1	88.8	91.3	94.8	98.0	98.8	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6
IV 600	69.1	88.8	91.3	94.8	98.1	98.9	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
IV 500	69.1	88.8	91.3	94.8	98.1	98.9	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
IV 400	69.1	88.8	91.3	94.8	98.1	98.9	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
IV 300	69.1	88.8	91.3	94.8	98.1	98.9	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9
IV 200	69.1	88.8	91.3	94.8	98.1	98.9	99.6	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 100	69.1	88.8	91.3	94.8	98.1	98.9	99.6	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 0	69.1	88.8	91.3	94.8	98.1	98.9	99.6	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	39.7	48.5	49.5	50.2	51.4	51.5	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 20000	46.2	58.0	59.5	60.4	62.5	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 18000	46.3	58.1	59.6	60.5	62.6	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 16000	46.3	58.1	59.6	60.5	62.6	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 14000	47.0	59.0	60.6	61.6	63.8	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 12000	49.1	61.7	63.3	64.3	66.6	66.9	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 10000	51.6	64.8	66.7	67.6	70.1	70.4	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 9000	52.0	65.4	67.3	68.3	70.8	71.1	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 8000	55.7	70.4	72.5	73.7	76.6	77.1	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 7000	56.7	71.4	73.4	74.7	77.6	78.2	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 6000	57.2	72.0	74.1	75.4	78.3	78.8	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 5000	58.3	73.5	75.7	77.0	80.1	80.8	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4500	59.6	75.2	77.3	78.6	81.7	82.4	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 4000	61.5	78.2	80.3	81.9	85.2	86.1	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 3500	62.6	80.0	82.5	84.2	87.5	88.5	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 3000	63.1	81.6	84.6	86.7	90.1	91.1	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 2500	63.7	82.3	85.3	87.4	90.9	91.8	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 2000	63.9	82.9	86.3	88.8	92.5	93.5	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1800	64.0	83.1	86.6	89.4	93.1	94.2	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1500	64.1	83.3	87.2	90.2	94.1	95.5	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1200	64.2	84.0	88.0	91.1	94.9	96.8	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	64.3	84.5	88.6	91.7	95.9	97.8	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900	64.3	84.6	88.7	91.8	96.0	98.0	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	64.3	84.6	88.7	91.8	96.1	98.1	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	64.3	84.6	88.8	91.9	96.2	98.3	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	64.3	84.6	88.8	91.9	96.2	98.3	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	64.3	84.6	88.8	91.9	96.2	98.3	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	64.3	84.7	88.9	92.0	96.3	98.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	64.3	84.7	88.9	92.2	96.5	98.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	64.3	84.7	88.9	92.2	96.6	98.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	64.3	84.7	88.9	92.2	96.6	98.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	64.3	84.7	88.9	92.2	96.6	98.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

14703

WESTOVER AFB MA

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.8	50.6	55.3	56.3	57.6	58.2	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.8	58.8
≥ 20000	43.6	55.9	60.8	61.7	64.1	65.0	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.6	65.6
≥ 18000	43.6	55.9	60.8	61.7	64.1	65.0	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.6	65.6
≥ 16000	43.6	55.9	60.8	61.7	64.1	65.0	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.6	65.6
≥ 14000	44.4	56.8	61.6	62.5	65.0	65.8	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.4	66.4
≥ 12000	44.7	58.0	63.7	64.0	66.4	67.2	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8
≥ 10000	48.1	61.9	66.9	67.8	70.3	71.1	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.7	71.7
≥ 9500	48.7	62.5	67.5	68.5	70.9	71.7	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.3	72.3
≥ 8000	51.0	66.1	71.5	72.7	75.2	76.0	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.7	76.7
≥ 7000	52.7	68.0	73.6	74.8	77.3	78.1	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.8	78.8
≥ 6000	54.2	69.5	75.1	76.2	78.8	79.6	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.2
≥ 5000	54.7	70.4	76.4	77.5	80.2	81.2	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.8	81.8
≥ 4500	54.8	71.1	77.7	78.1	80.9	81.8	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.5	82.5
≥ 4000	56.1	73.0	79.4	80.7	83.9	84.9	85.4	85.7	85.9	85.9	85.9	85.9	85.9	85.9	86.0	86.0
≥ 3500	56.6	73.5	79.9	81.4	84.7	85.9	86.3	86.8	87.7	87.0	87.0	87.0	87.0	87.0	87.1	87.1
≥ 3000	56.9	74.4	81.4	83.0	86.3	87.5	87.9	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.7	88.7
≥ 2500	57.4	75.1	82.2	83.9	87.5	88.6	89.1	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.9	89.9
≥ 2000	57.7	76.5	83.8	85.7	89.4	90.5	91.0	91.5	91.8	91.8	91.8	91.8	91.8	91.8	92.0	92.0
≥ 1800	57.7	77.0	84.2	86.3	90.4	91.5	92.0	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.9	92.9
≥ 1500	57.9	78.0	85.4	87.5	91.8	92.9	93.6	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.5	94.5
≥ 1200	58.2	79.3	86.8	89.1	93.7	95.0	95.8	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.8	96.8
≥ 1000	58.2	79.9	87.5	89.7	94.9	96.5	97.3	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2
≥ 900	58.2	80.1	87.6	89.9	95.0	96.8	97.6	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.6	98.6
≥ 800	58.2	80.1	87.6	89.9	95.2	96.9	97.7	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7
≥ 700	58.2	80.1	87.6	89.9	95.5	97.4	98.2	98.7	99.0	99.0	99.0	99.0	99.0	99.2	99.4	99.4
≥ 600	58.2	80.1	87.6	89.9	95.8	97.7	98.6	99.0	99.4	99.4	99.4	99.4	99.4	99.5	99.7	99.7
≥ 500	58.2	80.1	87.6	89.9	95.8	97.7	98.6	99.0	99.4	99.4	99.4	99.4	99.4	99.5	99.7	99.7
≥ 400	58.2	80.1	87.6	89.9	95.8	97.7	98.6	99.0	99.4	99.4	99.4	99.4	99.4	99.5	99.7	99.7
≥ 300	58.2	80.1	87.6	89.9	95.8	97.7	98.6	99.0	99.4	99.4	99.4	99.4	99.4	99.5	99.7	99.7
≥ 200	58.2	80.1	87.6	89.9	95.8	97.7	98.7	99.2	99.5	99.5	99.5	99.5	99.5	99.8	99.8	99.8
≥ 100	58.2	80.1	87.6	89.9	95.8	97.7	98.7	99.2	99.5	99.5	99.5	99.5	99.5	99.8	99.8	99.8
≥ 0	58.2	80.1	87.6	89.9	95.8	97.7	98.7	99.2	99.5	99.5	99.5	99.5	99.5	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 622



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14773

WESTOVER AFB MA

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	¼	≥0
NO CEILING	37.8	46.9	49.0	50.2	51.6	52.2	52.4	52.7	52.7	52.8	52.8	52.9	52.9	52.9	53.0	53.1	
≥ 20000	42.5	53.4	55.8	57.2	59.1	59.7	60.0	60.3	60.4	60.5	60.5	60.5	60.6	60.6	60.7	60.7	
≥ 18000	42.5	53.5	55.9	57.3	59.1	59.8	60.1	60.4	60.5	60.6	60.6	60.6	60.7	60.7	60.8	60.8	
≥ 16000	42.5	53.6	56.0	57.4	59.2	59.9	60.2	60.5	60.6	60.7	60.7	60.7	60.8	60.8	60.9	60.9	
≥ 14000	43.2	54.4	56.9	58.3	60.1	60.8	61.1	61.4	61.5	61.6	61.6	61.6	61.7	61.7	61.8	61.8	
≥ 12000	44.7	56.6	59.1	60.6	62.5	63.2	63.5	63.8	63.9	64.0	64.0	64.1	64.1	64.1	64.2	64.3	
≥ 10000	47.3	59.8	62.5	64.1	66.1	66.8	67.2	67.4	67.6	67.6	67.7	67.7	67.7	67.8	67.9	67.9	
≥ 9000	48.1	60.7	63.5	65.1	67.1	67.9	68.2	68.5	68.6	68.7	68.7	68.8	68.8	68.8	68.9	69.0	
≥ 8000	50.4	64.2	67.0	68.7	70.9	71.8	72.1	72.4	72.5	72.6	72.7	72.7	72.7	72.8	72.9	72.9	
≥ 7000	51.3	65.2	68.1	69.9	72.1	73.0	73.4	73.6	73.8	73.9	73.9	73.9	73.9	74.0	74.1	74.1	
≥ 6000	52.1	66.2	69.1	70.9	73.2	74.1	74.5	74.8	74.9	75.0	75.0	75.1	75.1	75.1	75.2	75.3	
≥ 5000	53.1	67.5	70.6	72.4	74.8	75.7	76.1	76.4	76.6	76.7	76.7	76.7	76.7	76.8	76.8	76.9	
≥ 4500	53.9	68.7	71.8	73.6	76.0	77.0	77.4	77.7	77.9	77.9	78.0	78.0	78.0	78.1	78.2	78.2	
≥ 4000	55.5	71.0	74.2	76.1	78.7	79.8	80.4	80.8	81.0	81.1	81.1	81.1	81.2	81.2	81.3	81.3	
≥ 3500	56.2	72.0	75.5	77.4	81.1	81.2	81.8	82.3	82.4	82.5	82.5	82.6	82.6	82.6	82.7	82.8	
≥ 3000	56.8	73.5	77.2	79.4	82.1	83.3	83.9	84.4	84.6	84.6	84.7	84.7	84.7	84.8	84.9	84.9	
≥ 2500	57.4	74.6	78.4	80.7	83.4	84.7	85.3	85.8	86.0	86.1	86.1	86.1	86.2	86.2	86.3	86.3	
≥ 2000	57.9	76.1	80.2	82.7	85.9	87.2	87.9	88.4	88.6	88.7	88.8	88.8	88.8	88.9	89.0	89.0	
≥ 1800	58.1	76.5	80.7	83.3	86.6	88.0	88.7	89.2	89.5	89.6	89.6	89.6	89.7	89.7	89.8	89.8	
≥ 1500	58.3	77.3	81.7	84.4	88.0	89.5	90.4	90.9	91.2	91.2	91.2	91.2	91.3	91.3	91.4	91.5	
≥ 1200	58.5	78.1	82.7	85.6	89.5	91.3	92.3	92.8	93.0	93.1	93.1	93.2	93.2	93.2	93.3	93.4	
≥ 1000	58.6	78.7	83.4	86.5	90.8	92.8	93.8	94.3	94.6	94.6	94.7	94.7	94.8	94.8	94.9	95.0	
≥ 900	58.6	78.8	83.6	86.7	91.1	93.2	94.2	94.8	95.1	95.2	95.2	95.3	95.3	95.3	95.4	95.5	
≥ 800	58.7	79.2	84.0	87.3	91.9	94.0	95.1	95.8	96.0	96.1	96.2	96.2	96.3	96.3	96.4	96.5	
≥ 700	58.7	79.3	84.2	87.6	92.3	94.5	95.7	96.4	96.6	96.7	96.8	96.8	96.9	96.9	97.0	97.1	
≥ 600	58.7	79.4	84.4	87.8	92.8	95.0	96.4	97.1	97.4	97.5	97.6	97.6	97.7	97.7	97.8	97.9	
≥ 500	58.7	79.4	84.4	87.9	93.0	95.4	96.8	97.6	97.9	98.1	98.1	98.2	98.2	98.3	98.4	98.4	
≥ 400	58.7	79.4	84.4	87.9	93.1	95.5	97.0	97.9	98.3	98.6	98.7	98.8	98.9	98.9	99.0	99.1	
≥ 300	58.7	79.4	84.4	87.9	93.1	95.6	97.1	98.1	98.6	98.9	99.0	99.2	99.3	99.4	99.5	99.7	
≥ 200	58.7	79.4	84.4	87.9	93.1	95.6	97.1	98.2	98.6	99.0	99.1	99.2	99.4	99.5	99.7	99.9	
≥ 100	58.7	79.4	84.4	87.9	93.1	95.6	97.1	98.2	98.6	99.0	99.1	99.2	99.4	99.5	99.7	99.9	
≥ 0	58.7	79.4	84.4	87.9	93.1	95.6	97.1	98.2	98.6	99.0	99.1	99.2	99.4	99.5	99.7	100.0	

TOTAL NUMBER OF OBSERVATIONS 203

USAF ETAC FORM 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14773

WESTOVER AFB MA

69-70,73-75,80

USE WITH CAUTION  
SEE FIRST PAGE

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	35.9	49.4	54.7	56.6	59.0	59.6	60.9	61.8	61.8	61.8	62.2	62.2	62.4	62.4	62.4	62.4
≥ 20000	35.9	51.1	56.4	58.5	60.9	61.5	62.8	63.7	63.7	63.7	64.1	64.1	64.3	64.3	64.3	64.3
≥ 18000	35.9	51.1	56.4	58.5	60.9	61.5	62.8	63.7	63.7	63.7	64.1	64.1	64.3	64.3	64.3	64.3
≥ 16000	35.9	51.1	56.4	58.5	60.9	61.5	62.8	63.7	63.7	63.7	64.1	64.1	64.3	64.3	64.3	64.3
≥ 14000	36.3	51.5	56.8	59.0	61.3	62.0	63.2	64.1	64.1	64.1	64.5	64.5	64.7	64.7	64.7	64.7
≥ 12000	36.5	52.1	57.5	59.8	62.2	62.8	64.1	65.0	65.2	65.4	65.8	65.8	66.0	66.0	66.0	66.0
≥ 10000	38.0	54.1	59.6	62.0	64.3	65.2	66.5	67.3	67.5	67.9	68.4	68.4	68.6	68.6	68.6	68.8
≥ 9000	38.7	54.7	60.3	62.6	65.0	65.8	67.1	67.9	68.2	68.6	69.0	69.0	69.2	69.2	69.2	69.4
≥ 8000	40.8	57.9	63.7	66.7	69.0	69.9	71.4	72.2	72.4	72.9	73.3	73.3	73.5	73.5	73.9	74.1
≥ 7000	41.7	58.5	64.3	67.3	69.7	70.5	72.0	72.9	73.1	73.5	73.9	73.9	74.1	74.1	74.6	74.8
≥ 6000	42.3	60.3	66.0	69.2	72.0	72.9	74.4	75.2	75.4	75.9	76.3	76.3	76.5	76.5	76.9	77.1
≥ 5000	42.3	60.7	66.7	69.9	72.6	73.5	75.0	75.9	76.1	76.5	76.9	76.9	77.1	77.1	77.6	77.8
≥ 4500	42.3	60.7	66.7	69.9	72.6	73.5	75.0	75.9	76.1	76.5	76.9	76.9	77.1	77.1	77.6	77.8
≥ 4000	42.3	60.7	66.7	70.1	72.9	73.7	75.2	76.1	76.3	76.7	77.1	77.1	77.4	77.4	77.8	78.0
≥ 3500	42.3	60.9	66.9	70.3	73.1	73.9	75.4	76.3	76.5	76.9	77.4	77.4	77.6	77.6	78.0	78.2
≥ 3000	42.7	61.3	67.3	71.2	73.9	74.8	76.3	77.1	77.4	77.8	78.2	78.2	78.4	78.4	78.8	79.1
≥ 2500	43.2	61.8	67.7	71.6	74.4	75.2	77.1	78.0	78.2	78.6	79.1	79.1	79.3	79.3	79.7	79.9
≥ 2000	44.0	63.7	69.7	73.9	76.9	77.8	80.1	81.0	81.2	81.6	82.1	82.1	82.3	82.3	82.7	82.9
≥ 1800	44.2	64.3	70.3	74.6	77.6	78.4	80.8	81.6	81.8	82.3	82.7	82.7	82.9	82.9	83.3	83.5
≥ 1500	44.9	66.2	72.4	76.7	79.9	80.8	83.1	84.2	84.4	84.8	85.3	85.3	85.5	85.5	85.9	86.1
≥ 1200	45.3	67.1	73.5	78.0	81.4	82.3	84.6	85.7	85.9	86.3	86.8	86.8	87.0	87.0	87.4	87.6
≥ 1000	45.3	68.4	75.4	79.9	83.3	84.2	86.5	87.6	87.8	88.2	88.7	88.7	88.9	88.9	89.3	89.5
≥ 900	45.3	68.6	75.6	80.1	83.5	84.4	86.8	87.8	88.0	88.5	88.9	88.9	89.1	89.1	89.5	89.7
≥ 800	45.3	69.4	77.1	81.6	85.3	86.1	88.7	89.7	90.0	90.4	90.8	90.8	91.0	91.0	91.5	91.7
≥ 700	45.3	69.7	77.6	82.5	86.8	87.6	90.2	91.2	91.5	91.9	92.3	92.3	92.5	92.5	92.9	93.2
≥ 600	45.3	70.5	78.6	83.8	88.0	88.9	91.9	92.9	93.2	93.6	94.0	94.0	94.2	94.2	94.7	95.1
≥ 500	45.3	70.5	79.1	84.4	89.7	90.6	93.6	95.1	95.3	95.7	96.2	96.2	96.4	96.4	96.8	97.2
≥ 400	45.3	70.5	79.1	84.4	89.7	90.6	94.0	95.5	95.7	96.2	96.6	96.6	96.8	96.8	97.2	97.6
≥ 300	45.3	70.5	79.1	84.4	89.7	91.0	94.4	96.2	96.4	96.8	97.2	97.2	97.4	97.4	97.9	98.3
≥ 200	45.3	70.5	79.1	84.4	89.7	91.0	94.4	96.8	97.0	97.4	97.9	97.9	98.1	98.1	98.7	99.8
≥ 100	45.3	70.5	79.1	84.4	89.7	91.2	94.7	97.0	97.2	97.6	98.1	98.1	98.3	98.3	98.9	100.0
≥ 0	45.3	70.5	79.1	84.4	89.7	91.2	94.7	97.0	97.2	97.6	98.1	98.1	98.3	98.3	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 468

USAF ETAC FORM 0-14-5 (OL A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

14703

WESTOVER AFB MA

69-70, 73-75, 79-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	29.3	38.5	43.9	46.5	49.0	50.1	52.7	55.5	56.1	57.0	57.6	57.6	57.8	58.2	58.7	59.3
≥ 20000	30.0	39.4	45.2	48.0	51.0	52.0	54.6	57.6	58.2	59.1	59.7	59.7	60.0	60.4	60.8	61.7
IV 18000	30.0	39.4	45.2	48.0	51.0	52.0	54.6	57.6	58.2	59.1	59.7	59.7	60.0	60.4	60.8	61.7
IV 16000	30.0	39.4	45.2	48.0	51.0	52.0	54.6	57.6	58.2	59.1	59.7	59.7	60.0	60.4	60.8	61.7
IV 14000	30.0	39.4	45.2	48.0	51.0	52.0	54.6	57.6	58.2	59.1	59.7	59.7	60.0	60.4	60.8	61.7
IV 12000	31.3	40.7	46.5	49.5	52.5	53.5	56.1	59.1	59.7	60.6	61.2	61.2	61.5	61.9	62.3	63.2
IV 10000	32.5	42.2	48.2	51.2	54.4	55.5	58.0	61.0	61.7	63.0	63.6	63.6	63.8	64.2	64.7	65.7
IV 9000	32.6	42.8	48.8	51.8	55.0	56.1	58.7	61.7	62.3	63.6	64.2	64.2	64.5	64.9	65.3	66.4
IV 8000	33.8	45.6	51.6	54.8	58.0	59.3	61.9	64.9	65.5	66.8	67.5	67.5	67.7	68.1	68.7	69.8
IV 7000	34.9	46.7	52.7	55.9	59.1	60.4	63.0	66.0	66.8	68.1	68.7	68.7	69.0	69.4	70.0	71.1
IV 6000	35.3	47.1	53.1	56.3	59.5	60.8	63.4	66.4	67.2	68.5	69.2	69.2	69.4	69.8	70.4	71.5
IV 5000	35.3	47.3	53.3	56.5	59.7	61.0	63.6	66.6	67.5	69.0	69.6	69.6	69.8	70.2	70.9	71.9
IV 4500	35.3	47.3	53.5	56.7	60.0	61.2	63.8	66.8	67.7	69.2	69.8	69.8	70.0	70.4	71.1	72.2
IV 4000	35.5	48.0	54.2	57.4	60.8	62.1	64.7	67.7	68.5	70.0	70.7	70.7	70.9	71.3	71.9	73.0
IV 3500	36.0	48.4	54.6	57.8	61.5	62.7	65.3	68.3	69.2	70.7	71.3	71.3	71.5	71.9	72.6	73.7
IV 3000	36.6	49.5	55.9	59.3	63.0	64.2	66.8	69.8	70.7	72.2	72.8	72.8	73.0	73.4	74.1	75.2
IV 2500	36.8	51.0	57.6	61.0	64.7	66.0	69.0	71.9	72.8	74.3	74.9	74.9	75.2	75.6	76.2	77.3
IV 2000	36.8	51.2	58.0	61.7	65.5	66.8	70.2	73.2	74.3	75.8	76.4	76.4	76.7	77.1	77.7	78.8
IV 1800	36.8	51.2	58.0	61.9	65.7	67.0	70.4	73.4	74.5	76.0	76.7	76.7	76.9	77.3	77.9	79.0
IV 1500	37.3	52.7	59.7	64.0	68.1	69.4	73.0	76.0	77.1	78.6	79.2	79.2	79.4	79.9	80.5	81.6
IV 1200	37.7	54.0	61.0	65.7	69.8	71.3	74.9	78.2	79.2	80.7	81.4	81.4	81.6	82.0	82.7	83.7
IV 1000	37.9	55.5	63.0	67.9	71.9	73.4	77.3	80.5	81.6	83.1	83.7	83.7	83.9	84.4	85.0	86.1
IV 900	37.9	55.5	63.0	68.1	72.4	73.9	77.7	80.9	82.0	83.5	84.2	84.2	84.4	84.8	85.4	86.7
IV 800	37.9	55.5	63.2	68.3	72.8	74.3	78.2	81.6	82.7	84.2	84.8	84.8	85.0	85.4	86.1	87.6
IV 700	37.9	55.5	63.8	69.2	73.9	75.4	79.2	82.7	83.7	85.2	85.9	85.9	86.1	86.5	87.2	88.9
IV 600	37.9	55.5	64.2	69.6	74.3	75.8	79.7	83.3	84.4	85.9	86.5	86.5	86.7	87.2	87.8	89.5
IV 500	37.9	55.5	64.7	70.2	75.6	77.1	80.9	85.0	86.1	87.6	88.2	88.2	88.4	88.9	89.5	91.2
IV 400	37.9	55.5	64.7	70.4	76.2	78.4	82.7	86.9	88.2	90.1	90.8	91.0	91.2	91.6	92.5	95.1
IV 300	37.9	55.5	64.7	70.4	76.2	78.6	83.5	88.0	89.3	91.2	91.9	92.3	92.5	92.9	93.8	97.4
IV 200	37.9	55.5	64.7	70.4	76.2	78.6	83.5	88.0	89.3	91.4	92.3	92.7	92.9	93.4	94.2	98.3
IV 100	37.9	55.5	64.7	70.4	76.2	78.6	83.5	88.0	89.3	91.4	92.3	92.7	93.4	93.8	94.6	98.9
IV 0	37.9	55.5	64.7	70.4	76.2	78.6	83.5	88.0	89.3	91.4	92.3	92.7	93.4	93.8	94.6	100.0

TOTAL NUMBER OF OBSERVATIONS 467

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0600  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¼	≥0
NO CEILING	25.8	33.0	35.3	37.5	40.7	42.5	44.1	44.9	45.6	45.7	45.9	45.9	46.2	46.2	46.4	46.9
≥ 20000	27.6	35.8	38.5	40.8	44.3	46.1	47.8	49.0	49.9	50.0	50.3	50.3	50.6	50.6	50.9	51.5
IV 18000	27.6	35.8	38.5	40.8	44.3	46.1	47.8	49.0	49.9	50.0	50.3	50.3	50.6	50.6	50.9	51.5
IV 16000	27.6	35.8	38.5	40.8	44.3	46.1	47.8	49.0	49.9	50.0	50.3	50.3	50.6	50.6	50.9	51.5
IV 14000	28.0	36.4	39.1	41.5	44.9	46.8	48.5	49.7	50.5	50.6	51.0	51.0	51.3	51.3	51.5	52.2
IV 12000	29.6	38.6	41.8	44.2	48.0	49.9	51.6	52.8	53.7	53.9	54.2	54.2	54.5	54.5	54.7	55.4
IV 10000	31.4	41.5	44.9	47.4	51.5	53.4	55.6	57.0	57.9	58.2	58.5	58.5	58.8	58.8	59.1	59.7
IV 9000	32.1	42.3	45.8	48.4	52.5	54.4	56.6	58.0	58.8	59.3	59.6	59.6	59.9	59.9	60.1	60.8
IV 8000	33.0	44.2	48.0	50.6	55.1	57.2	59.5	61.0	61.9	62.4	62.8	62.8	63.1	63.1	63.4	64.0
IV 7000	33.1	44.8	48.7	51.5	56.0	58.2	60.6	62.2	63.0	63.6	64.0	64.0	64.3	64.3	64.5	65.2
IV 6000	33.2	45.3	49.1	51.9	56.6	58.8	61.2	62.8	63.7	64.2	64.7	64.7	65.0	65.0	65.2	65.8
IV 5000	33.6	46.4	50.4	53.2	57.9	60.1	62.6	64.2	65.1	65.6	66.1	66.1	66.4	66.4	66.6	67.2
IV 4500	33.8	46.8	50.8	53.6	58.2	60.6	63.0	64.7	65.5	66.1	66.5	66.5	66.8	66.8	67.0	67.7
IV 4000	34.2	47.3	51.5	54.3	59.1	61.4	63.9	65.5	66.4	66.9	67.3	67.3	67.7	67.7	67.9	68.5
IV 3500	34.4	47.7	51.9	54.7	59.5	62.0	64.4	66.1	66.9	67.5	67.9	67.9	68.2	68.2	68.4	69.1
IV 3000	35.0	48.5	52.7	55.6	60.5	62.9	65.5	67.1	68.2	68.8	69.2	69.2	69.5	69.5	69.7	70.4
IV 2500	35.5	49.1	53.4	56.4	61.3	63.8	66.4	68.0	69.1	69.6	70.0	70.0	70.4	70.4	70.6	71.2
IV 2000	36.0	50.3	54.8	58.0	63.1	65.7	68.3	70.0	71.2	71.8	72.2	72.2	72.5	72.5	72.7	73.4
IV 1800	36.2	50.8	55.3	58.5	63.7	66.3	68.9	70.6	71.8	72.3	72.7	72.7	73.1	73.1	73.3	73.9
IV 1500	36.9	51.5	56.9	60.5	66.3	69.1	71.7	73.4	74.6	75.1	75.5	75.5	75.9	75.9	76.1	76.7
IV 1200	38.0	53.4	59.1	62.9	68.9	71.9	74.9	76.6	77.8	78.3	78.8	78.8	79.1	79.1	79.3	80.0
IV 1000	38.3	54.0	59.8	63.8	70.3	73.5	76.6	78.3	79.5	80.1	80.5	80.5	80.8	80.9	81.1	81.9
IV 900	38.4	54.4	60.5	64.8	71.6	74.9	78.3	80.2	81.4	81.9	82.3	82.3	82.7	82.8	83.0	83.7
IV 800	38.4	54.7	60.9	65.4	72.8	76.4	80.2	82.1	83.3	83.8	84.4	84.4	84.7	84.8	85.1	85.9
IV 700	38.4	54.7	61.0	65.7	73.3	77.2	81.4	83.4	84.6	85.1	85.7	85.7	86.0	86.1	86.4	87.2
IV 600	38.4	54.7	61.3	66.2	74.4	78.2	82.8	85.0	86.3	86.9	87.4	87.4	87.7	87.8	88.3	89.0
IV 500	38.4	54.7	61.3	66.3	75.1	79.1	83.6	86.3	88.1	88.8	89.3	89.3	89.8	89.9	90.3	91.3
IV 400	38.4	55.0	61.6	66.6	76.0	80.1	84.8	88.0	90.1	91.1	91.8	91.8	92.2	92.5	93.1	94.2
IV 300	38.4	55.0	61.6	66.6	76.0	80.2	85.1	88.7	91.1	92.2	93.2	93.3	94.0	94.4	95.0	96.6
IV 200	38.4	55.0	61.6	66.6	76.0	80.2	85.1	88.8	91.3	92.9	94.1	94.2	94.9	95.4	96.1	98.0
IV 100	38.4	55.0	61.6	66.6	76.0	80.2	85.1	88.8	91.3	92.9	94.3	94.4	95.2	95.8	96.7	99.2
0	38.4	55.0	61.6	66.6	76.0	80.2	85.1	88.8	91.3	92.9	94.3	94.4	95.2	95.8	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS 928

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	35.2	46.0	48.7	50.9	53.0	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 20000	38.4	50.1	52.9	55.2	57.5	57.8	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 18000	38.6	50.3	53.1	55.4	57.7	58.1	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 16000	38.6	50.3	53.1	55.4	57.7	58.1	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 14000	38.7	50.8	53.5	55.9	58.3	58.6	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 12000	40.8	53.5	56.9	59.5	61.8	62.3	62.4	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 10000	42.5	56.7	60.4	63.2	65.9	66.3	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 9000	42.6	57.2	61.0	63.8	66.5	66.9	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 8000	44.2	59.4	63.2	66.1	68.8	69.2	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 7000	44.5	59.9	63.9	66.8	69.5	70.0	70.2	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 6000	44.7	60.1	64.1	67.0	69.7	70.2	70.5	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 5000	45.2	60.5	64.6	67.5	70.3	70.9	71.2	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 4500	45.8	61.6	65.7	68.6	71.4	71.9	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 4000	46.2	62.4	66.6	69.5	72.4	73.0	73.3	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 3500	46.9	63.4	67.6	70.5	73.8	74.4	74.9	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 3000	47.8	64.7	68.9	72.0	75.3	76.0	76.6	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 2500	48.4	65.8	70.2	73.7	77.1	77.8	78.4	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 2000	50.0	68.1	72.6	76.6	80.2	81.3	82.0	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 1800	50.4	68.7	73.3	77.4	81.2	82.3	83.0	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 1500	51.5	71.1	76.0	80.4	84.3	85.5	86.2	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 1200	52.0	72.9	78.5	83.1	87.3	88.6	89.5	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1000	52.3	73.3	79.2	84.1	88.7	90.2	91.1	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 900	52.3	73.5	79.6	84.6	89.4	91.0	91.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 800	52.3	73.9	80.0	85.3	90.0	91.9	93.0	94.1	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4
IV 700	52.5	74.4	80.5	86.0	90.9	93.1	94.2	95.3	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7
IV 600	52.5	74.5	80.6	86.3	91.9	94.3	95.7	96.8	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2
IV 500	52.5	74.6	81.1	87.0	93.0	95.5	97.0	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
IV 400	52.5	74.7	81.5	87.7	93.8	96.2	97.8	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	52.5	74.7	81.5	87.7	93.9	96.3	98.1	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 200	52.5	74.7	81.5	87.7	93.9	96.3	98.1	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 100	52.5	74.7	81.5	87.7	93.9	96.3	98.1	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 0	52.5	74.7	81.5	87.7	93.9	96.3	98.1	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	40.4	49.4	50.6	52.4	52.7	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 20000	44.3	55.4	56.9	58.8	59.4	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 18000	44.5	55.6	57.1	59.0	59.6	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 16000	44.6	55.7	57.2	59.1	59.7	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 14000	45.3	56.5	58.0	59.9	60.4	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 12000	47.2	58.9	60.5	62.5	63.0	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 10000	48.7	60.9	62.7	64.9	65.5	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 9000	49.5	62.4	64.3	66.7	67.3	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 8000	51.2	64.9	67.2	69.6	70.2	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 7000	52.3	66.3	68.6	71.0	71.6	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 6000	52.3	66.3	68.6	71.0	71.6	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 5000	53.8	68.2	70.8	73.2	74.0	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 4500	55.1	70.1	72.7	75.2	76.1	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 4000	56.9	72.9	75.7	78.3	79.6	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 3500	58.0	74.4	77.2	80.1	81.8	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 3000	59.4	76.9	79.7	82.6	84.5	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 2500	61.0	79.5	82.5	85.5	87.6	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 2000	61.6	81.5	84.6	87.8	90.1	90.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1800	62.0	82.5	85.8	88.8	91.1	91.8	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1500	62.6	83.4	86.9	90.1	92.6	93.3	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1200	63.1	84.7	88.5	91.7	94.2	94.9	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1000	63.1	85.2	89.1	92.5	95.1	95.8	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 900	63.1	85.2	89.1	92.8	95.6	96.3	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 800	63.1	85.5	89.5	93.2	96.1	97.1	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 700	63.2	85.6	89.6	93.3	96.2	97.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 600	63.2	85.9	90.1	94.3	97.3	98.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	63.2	86.0	90.3	94.5	97.5	98.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	63.2	86.0	90.3	94.6	97.6	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	63.2	86.0	90.3	94.6	97.6	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	63.2	86.0	90.3	94.6	97.6	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	63.2	86.0	90.3	94.6	97.6	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	63.2	86.0	90.3	94.6	97.6	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

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STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	41.1 46.9	48.9 57.3	50.0 58.4	51.1 59.5	52.3 61.0	52.5 61.2	52.5 61.2	52.5 61.2	52.5 61.2	52.5 61.2	52.5 61.2	52.5 61.2	52.5 61.2	52.5 61.2	52.5 61.2	52.5 61.2
IV 18000 IV 16000	46.9 46.9	57.3 57.4	58.4 58.5	59.5 59.6	61.0 61.1	61.2 61.3	61.2 61.3	61.2 61.3	61.2 61.3	61.2 61.3	61.2 61.3	61.2 61.3	61.2 61.3	61.2 61.3	61.2 61.3	61.2 61.3
IV 14000 IV 12000	47.3 50.9	57.8 61.7	58.9 63.0	60.0 64.1	61.5 65.6	61.7 65.8	61.7 65.8	61.7 65.8	61.7 65.8	61.7 65.8	61.7 65.8	61.7 65.8	61.7 65.8	61.7 65.8	61.7 65.8	61.7 65.8
IV 10000 IV 9000	53.0 53.9	65.4 66.5	66.8 67.8	68.2 69.2	69.9 71.0	70.1 71.2	70.1 71.2	70.1 71.2	70.1 71.2	70.1 71.2	70.1 71.2	70.1 71.2	70.1 71.2	70.1 71.2	70.1 71.2	70.1 71.2
IV 8000 IV 7000	55.8 56.9	70.2 71.6	71.6 73.0	73.1 74.5	74.8 76.2	75.1 76.5	75.1 76.5	75.1 76.5	75.1 76.5	75.1 76.5	75.1 76.5	75.1 76.5	75.1 76.5	75.1 76.5	75.1 76.5	75.1 76.5
IV 6000 IV 5000	57.0 58.4	71.7 73.4	73.1 74.9	74.6 76.6	76.5 78.4	76.7 78.6	76.8 78.7	76.8 78.7	76.8 78.7	76.8 78.7	76.8 78.7	76.8 78.7	76.8 78.7	76.8 78.7	76.8 78.7	76.8 78.7
IV 4500 IV 4000	59.5 61.3	75.2 78.0	76.7 79.7	78.4 81.4	80.2 83.3	80.4 83.5	80.5 83.7	80.5 83.7	80.5 83.7	80.5 83.7	80.5 83.7	80.5 83.7	80.5 83.7	80.5 83.7	80.5 83.7	80.5 83.7
IV 3500 IV 3000	62.1 63.3	79.2 80.6	81.4 82.9	83.3 84.9	85.5 87.5	85.7 87.8	85.8 88.0	85.8 88.0	85.8 88.0	85.8 88.0	85.8 88.0	85.8 88.0	85.8 88.0	85.8 88.0	85.8 88.0	85.8 88.0
IV 2500 IV 2000	64.1 65.6	82.0 84.1	84.5 86.7	86.8 89.0	89.5 92.0	89.8 92.6	90.0 92.6	90.0 92.6	90.0 92.6	90.0 92.6	90.0 92.6	90.0 92.6	90.0 92.6	90.0 92.6	90.0 92.6	90.0 92.6
IV 1800 IV 1500	66.1 66.3	84.8 85.4	87.4 88.2	89.8 90.6	92.8 93.9	93.1 94.2	93.4 94.5	93.4 94.5	93.4 94.5	93.4 94.5	93.4 94.5	93.4 94.5	93.4 94.5	93.4 94.5	93.4 94.5	93.4 94.5
IV 1200 IV 1000	66.5 66.7	86.6 87.0	89.6 90.2	92.3 93.1	95.6 96.8	95.9 97.2	96.2 97.5	96.2 97.5	96.2 97.5	96.2 97.5	96.2 97.5	96.2 97.5	96.2 97.5	96.2 97.5	96.2 97.5	96.2 97.5
IV 900 IV 800	66.7 66.7	87.1 87.1	90.3 90.4	93.3 93.5	97.1 97.4	97.5 97.8	98.0 98.5	98.0 98.6	98.0 98.7	98.0 98.8	98.1 98.9	98.1 98.9	98.1 98.9	98.1 98.9	98.1 98.9	98.1 98.9
IV 700 IV 600	66.7 66.7	87.3 87.3	90.9 90.9	94.0 94.0	97.8 98.0	98.4 98.5	99.1 99.2	99.2 99.4	99.4 99.5	99.5 99.6	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7
IV 500 IV 400	66.7 66.7	87.3 87.3	91.0 91.0	94.1 94.1	98.1 98.1	98.6 98.6	99.4 99.4	99.5 99.5	99.6 99.6	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8
IV 300 IV 200	66.7 66.7	87.3 87.3	91.0 91.0	94.1 94.1	98.1 98.1	98.6 98.6	99.4 99.4	99.5 99.5	99.6 99.6	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8
IV 100 IV 0	66.7 66.7	87.3 87.3	91.0 91.0	94.2 94.2	98.2 98.2	98.7 98.7	99.5 99.5	99.6 99.6	99.7 99.7	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ ⅓	≥ ⅕	≥ 0
NO CEILING	39.9	48.8	50.8	51.8	53.4	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 20000	44.4	56.2	58.4	59.9	62.0	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 18000	44.6	56.5	58.6	60.1	62.3	62.8	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 16000	44.8	56.8	58.9	60.4	62.6	63.1	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 14000	45.1	57.3	59.5	61.0	63.1	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 12000	47.0	59.6	61.8	63.4	65.6	66.1	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 10000	49.6	63.0	65.6	67.2	69.4	69.9	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 9000	50.6	64.1	66.7	68.3	70.4	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 8000	52.7	67.3	70.2	71.8	74.0	74.5	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 7000	53.4	68.6	71.5	73.3	75.6	76.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 6000	54.2	69.4	72.4	74.2	76.5	77.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 5000	55.4	70.9	73.9	75.7	78.0	78.5	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 4500	56.2	72.3	75.7	77.5	79.8	80.3	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 4000	57.1	74.0	77.6	79.6	82.2	82.7	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 3500	58.1	75.3	79.0	81.2	84.0	84.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 3000	58.8	76.1	79.9	82.0	85.2	86.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2500	59.9	77.6	81.4	83.7	86.8	87.7	88.7	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 2000	60.6	79.0	83.0	85.4	89.0	90.2	91.3	91.5	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1800	60.9	79.1	83.1	85.5	89.1	90.3	91.4	91.6	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8
IV 1500	61.1	79.9	84.2	86.9	90.8	91.9	93.0	93.3	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1200	61.6	80.9	85.2	88.0	92.0	93.2	94.3	94.6	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8
IV 1000	61.7	81.9	86.3	89.1	93.4	95.1	96.2	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9
≥ 900	61.7	81.9	86.6	89.4	93.7	95.3	96.5	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1
IV 800	61.7	81.9	86.7	89.6	94.1	95.7	97.0	97.5	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
≥ 700	61.7	82.3	87.2	90.1	94.6	96.2	97.5	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
IV 600	61.7	82.3	87.2	90.1	94.7	96.3	97.6	98.2	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5
≥ 500	61.7	82.3	87.2	90.1	94.8	96.6	97.8	98.4	98.8	98.9	99.0	99.1	99.1	99.1	99.2	99.2
IV 400	61.7	82.3	87.2	90.1	94.8	96.6	97.8	98.5	99.1	99.4	99.5	99.6	99.6	99.6	99.7	99.7
≥ 300	61.7	82.3	87.3	90.2	94.9	96.7	98.0	98.6	99.4	99.6	99.7	99.8	99.8	99.8	99.9	99.9
IV 200	61.7	82.3	87.3	90.2	94.9	96.7	98.0	98.6	99.4	99.6	99.8	99.9	99.9	99.9	100.0	100.0
≥ 100	61.7	82.3	87.3	90.2	94.9	96.7	98.0	98.6	99.4	99.6	99.8	99.9	99.9	99.9	100.0	100.0
IV 0	61.7	82.3	87.3	90.2	94.9	96.7	98.0	98.6	99.4	99.6	99.8	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

14723

WESTOVER AFB MA

69-70,73-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥¼	≥0
NO CEILING	38.9	52.7	54.6	57.0	58.3	58.6	58.9	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 20000	40.9	55.6	57.5	59.9	61.5	61.8	62.3	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 18000	40.9	55.6	57.5	59.9	61.5	61.8	62.3	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 16000	41.6	56.4	58.3	60.7	62.3	62.6	63.1	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 14000	42.4	57.2	59.1	61.5	63.1	63.4	63.9	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 12000	43.3	58.9	60.8	63.2	64.8	65.1	66.1	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 10000	45.5	62.1	64.0	66.4	68.0	68.3	69.3	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 9000	45.5	62.6	64.5	66.9	68.5	68.8	69.9	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 8000	48.2	66.2	68.5	70.9	72.5	72.8	73.9	74.7	74.8	74.8	74.8	74.8	75.0	75.0	75.2	75.2
≥ 7000	49.0	67.5	70.1	72.5	74.2	74.5	75.6	76.4	76.6	76.6	76.6	76.6	76.8	76.8	76.9	76.9
≥ 6000	50.0	68.8	71.3	73.9	75.6	76.0	77.1	77.9	78.0	78.0	78.0	78.0	78.2	78.2	78.3	78.3
≥ 5000	50.6	70.4	73.1	75.6	77.7	78.2	79.3	80.1	80.3	80.3	80.3	80.3	80.4	80.4	80.6	80.6
≥ 4500	50.6	70.7	73.6	76.3	78.3	78.8	79.9	80.7	80.9	80.9	80.9	80.9	81.1	81.1	81.2	81.2
≥ 4000	51.3	72.3	75.2	78.0	80.3	80.7	81.8	82.6	82.8	82.8	82.8	82.8	83.0	83.0	83.1	83.1
≥ 3500	51.4	72.5	75.3	78.3	80.7	81.2	82.3	83.1	83.3	83.3	83.3	83.3	83.4	83.4	83.6	83.6
≥ 3000	52.1	73.1	76.1	79.3	81.7	82.2	83.3	84.1	84.2	84.2	84.2	84.2	84.4	84.4	84.6	84.6
≥ 2500	52.1	73.2	76.4	79.6	82.2	82.6	83.8	84.6	84.7	84.7	84.7	84.7	84.9	84.9	85.0	85.0
≥ 2000	53.3	75.2	78.8	82.3	85.0	85.5	86.9	87.9	88.1	88.1	88.1	88.1	88.2	88.2	88.4	88.4
≥ 1800	53.5	75.6	79.5	83.0	85.7	86.3	87.7	88.9	89.0	89.0	89.0	89.0	89.2	89.2	89.3	89.3
≥ 1500	54.5	77.4	81.4	85.4	88.1	88.7	90.1	91.2	91.4	91.4	91.4	91.4	91.6	91.6	91.7	91.7
≥ 1200	54.8	79.1	83.4	87.7	90.4	91.1	92.5	93.6	93.8	93.8	93.8	93.8	93.9	93.9	94.1	94.1
≥ 1000	55.1	80.3	84.6	88.9	92.0	92.8	94.3	95.4	95.5	95.5	95.5	95.5	95.7	95.7	95.9	95.9
≥ 900	55.1	80.3	84.6	88.9	92.0	92.8	94.4	95.5	95.7	95.7	95.7	95.7	95.9	95.9	96.0	96.0
≥ 800	55.1	80.3	85.2	89.5	92.7	93.6	95.7	96.8	97.0	97.0	97.0	97.0	97.1	97.1	97.3	97.3
≥ 700	55.1	80.4	85.5	89.8	93.3	94.4	96.5	97.6	97.8	97.8	97.8	97.8	97.9	97.9	98.1	98.1
≥ 600	55.1	80.4	85.5	89.8	93.3	94.6	97.0	98.1	98.2	98.2	98.2	98.2	98.4	98.4	98.6	98.6
≥ 500	55.1	80.4	85.5	89.8	93.6	94.9	97.3	98.4	98.6	98.6	98.6	98.6	98.7	98.7	98.9	98.9
≥ 400	55.1	80.4	85.5	89.8	93.6	94.9	97.5	98.6	98.7	99.0	99.0	99.0	99.2	99.2	99.4	99.4
≥ 300	55.1	80.4	85.5	89.8	93.6	94.9	97.5	98.6	98.7	99.0	99.0	99.0	99.5	99.5	99.7	99.7
≥ 200	55.1	80.4	85.5	89.8	93.6	94.9	97.6	98.7	98.9	99.2	99.4	99.4	99.8	99.8	100.0	100.0
≥ 100	55.1	80.4	85.5	89.8	93.6	94.9	97.6	98.7	98.9	99.2	99.4	99.4	99.8	99.8	100.0	100.0
≥ 0	55.1	80.4	85.5	89.8	93.6	94.9	97.6	98.7	98.9	99.2	99.4	99.4	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 628



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

HOURE (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING ≥ 20000	36.1	45.8	48.2	50.0	51.8	52.4	53.0	53.5	53.6	53.7	53.8	53.8	53.9	53.9	54.0	54.1
IV 18000	39.3	50.6	53.1	55.1	57.2	57.8	58.5	59.1	59.3	59.4	59.5	59.5	59.6	59.6	59.7	59.8
IV 16000	39.5	50.8	53.4	55.4	57.4	58.1	58.8	59.4	59.6	59.6	59.8	59.8	59.8	59.9	59.9	60.1
IV 14000	39.9	51.4	53.9	55.9	58.0	58.6	59.3	59.9	60.1	60.2	60.3	60.3	60.4	60.4	60.5	60.7
IV 12000	41.7	53.7	56.5	58.6	60.7	61.3	62.1	62.7	62.9	63.0	63.2	63.2	63.2	63.3	63.3	63.5
IV 10000	43.6	56.5	59.6	61.8	64.0	64.7	65.6	66.2	66.4	66.6	66.7	66.7	66.8	66.8	66.9	67.1
IV 9000	44.2	57.4	60.5	62.7	65.0	65.7	66.5	67.2	67.4	67.6	67.7	67.7	67.8	67.8	67.9	68.1
IV 8000	46.0	60.3	63.5	65.9	68.2	68.9	69.9	70.5	70.7	70.9	71.1	71.1	71.2	71.2	71.3	71.5
IV 7000	46.6	61.3	64.6	67.1	69.4	70.2	71.1	71.8	72.0	72.2	72.4	72.4	72.5	72.5	72.6	72.8
IV 6000	47.0	61.9	65.2	67.6	70.1	70.8	71.8	72.5	72.7	72.9	73.0	73.0	73.1	73.2	73.3	73.5
IV 5000	47.8	63.1	66.5	69.0	71.5	72.3	73.3	73.9	74.2	74.4	74.5	74.5	74.6	74.7	74.8	75.0
IV 4500	48.4	64.1	67.6	70.1	72.6	73.4	74.4	75.1	75.4	75.6	75.7	75.7	75.8	75.8	76.0	76.2
IV 4000	49.3	65.6	69.2	71.8	74.5	75.3	76.3	77.0	77.3	77.5	77.6	77.6	77.7	77.7	77.9	78.1
IV 3500	49.9	66.5	70.2	72.9	75.8	76.7	77.8	78.5	78.7	78.9	79.1	79.1	79.1	79.2	79.3	79.5
IV 3000	50.8	67.7	71.5	74.3	77.4	78.3	79.4	80.1	80.3	80.6	80.7	80.7	80.8	80.8	81.0	81.2
IV 2500	51.5	68.6	72.9	75.8	79.0	79.9	81.1	81.8	82.1	82.3	82.5	82.5	82.6	82.6	82.7	82.9
IV 2000	52.5	70.6	74.8	77.9	81.4	82.5	83.8	84.5	84.8	85.1	85.2	85.2	85.3	85.4	85.5	85.7
IV 1800	52.8	71.1	75.3	78.5	82.0	83.1	84.5	85.2	85.5	85.8	85.9	85.9	86.0	86.0	86.2	86.4
IV 1500	53.4	72.4	76.9	80.4	84.1	85.2	86.6	87.4	87.7	88.0	88.1	88.1	88.2	88.3	88.4	88.6
IV 1200	53.9	73.8	78.6	82.3	86.1	87.3	88.8	89.6	90.0	90.2	90.4	90.4	90.5	90.5	90.6	90.8
IV 1000	54.0	74.5	79.6	83.4	87.5	88.9	90.4	91.3	91.6	91.9	92.0	92.0	92.1	92.2	92.3	92.5
IV 900	54.1	74.7	79.8	83.7	88.0	89.4	91.1	92.0	92.3	92.5	92.7	92.7	92.8	92.9	93.0	93.2
IV 800	54.1	74.9	80.2	84.3	88.7	90.2	92.1	93.1	93.4	93.7	93.9	93.9	94.0	94.0	94.2	94.4
IV 700	54.1	75.1	80.5	84.7	89.3	91.0	92.9	94.0	94.3	94.6	94.8	94.8	94.9	94.9	95.1	95.3
IV 600	54.1	75.2	80.8	85.1	90.0	91.7	93.8	94.8	95.3	95.5	95.7	95.7	95.8	95.9	96.0	96.3
IV 500	54.1	75.2	81.0	85.4	90.5	92.3	94.4	95.7	96.2	96.5	96.7	96.7	96.8	96.9	97.1	97.4
IV 400	54.1	75.3	81.1	85.6	90.9	92.7	95.0	96.3	96.9	97.3	97.6	97.6	97.7	97.8	98.0	98.4
IV 300	54.1	75.3	81.1	85.6	90.9	92.8	95.2	96.6	97.3	97.7	98.0	98.1	98.2	98.3	98.6	99.1
IV 200	54.1	75.3	81.1	85.6	90.9	92.8	95.2	96.7	97.4	97.9	98.2	98.3	98.5	98.6	98.9	99.5
IV 100	54.1	75.3	81.1	85.6	90.9	92.8	95.2	96.7	97.4	97.9	98.3	98.4	98.6	98.7	99.0	99.8
IV 0	54.1	75.3	81.1	85.6	90.9	92.8	95.2	96.7	97.4	97.9	98.3	98.4	98.6	98.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 6211



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14 703

WESTOVER AFB MA

69-70,73-75,80

USE WITH CAUTION  
SEE FIRST PAGE

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	37.5	42.2	44.0	45.4	47.3	48.7	50.1	50.7	51.1	51.9	52.3	52.3	52.5	52.7	52.7	53.1
≥ 20000	38.7	43.6	45.4	46.7	48.7	50.1	51.7	52.7	53.1	53.8	54.2	54.2	54.4	54.6	54.6	55.0
≥ 18000	38.9	43.8	45.6	46.9	48.9	50.3	51.9	52.9	53.3	54.0	54.4	54.4	54.6	54.8	54.8	55.2
IV 16000	38.9	44.0	45.8	47.1	49.1	50.5	52.1	53.1	53.5	54.2	54.6	54.6	54.8	55.0	55.0	55.4
IV 14000	38.9	44.0	45.8	47.1	49.1	50.5	52.1	53.1	53.5	54.2	54.6	54.6	54.8	55.0	55.0	55.4
IV 12000	39.3	44.4	46.2	47.5	49.5	50.9	52.5	53.5	53.8	54.6	55.0	55.0	55.2	55.4	55.4	55.8
IV 10000	41.2	46.5	48.9	50.3	52.5	53.8	55.4	56.4	56.8	57.6	58.0	58.0	58.2	58.4	58.4	58.8
IV 9000	42.0	47.5	50.5	51.9	54.0	55.4	57.0	58.0	58.4	59.2	59.6	59.6	59.8	60.4	60.4	60.4
IV 8000	43.6	50.1	53.5	55.0	57.8	59.2	60.7	61.7	62.1	62.9	63.3	63.3	63.5	63.7	63.7	64.1
IV 7000	45.2	52.1	55.4	57.2	60.0	61.3	63.1	64.7	65.1	65.9	66.3	66.3	66.5	66.7	66.7	67.1
IV 6000	45.4	52.7	56.0	57.8	60.6	61.9	63.7	65.3	65.7	66.5	66.9	66.9	67.1	67.3	67.3	67.7
IV 5000	46.5	55.2	58.6	60.4	63.1	64.5	66.3	67.9	68.2	69.0	69.4	69.4	69.6	69.8	69.8	70.2
IV 4500	47.3	56.6	60.0	61.7	64.5	65.9	67.7	69.2	69.6	70.4	70.8	70.8	71.0	71.2	71.2	71.6
IV 4000	48.9	58.4	61.7	63.5	66.9	68.2	70.0	71.6	72.0	72.8	73.2	73.2	73.4	73.6	73.6	74.0
IV 3500	50.3	60.2	63.9	65.7	69.0	70.4	72.4	74.0	74.4	75.1	75.5	75.5	75.7	75.9	75.9	76.3
IV 3000	51.3	61.7	65.5	67.3	70.6	72.0	74.0	75.7	76.1	76.9	77.3	77.3	77.5	77.7	77.7	78.1
IV 2500	51.7	62.3	66.3	68.0	71.4	72.8	74.8	76.5	76.9	77.7	78.1	78.1	78.3	78.5	78.5	78.9
IV 2000	52.3	63.1	67.1	68.8	72.2	73.8	75.9	77.7	78.1	78.9	79.3	79.3	79.5	79.7	79.7	80.1
IV 1800	52.9	64.1	68.2	70.0	73.4	75.1	77.3	79.1	79.5	80.3	80.7	80.7	80.9	81.1	81.1	81.5
IV 1500	53.5	65.7	69.8	71.8	75.3	77.1	79.3	81.3	81.7	82.4	82.8	82.8	83.0	83.2	83.2	83.6
IV 1200	55.2	69.0	73.6	75.5	79.3	81.1	83.2	85.6	86.0	86.8	87.2	87.2	87.4	87.6	87.6	88.0
IV 1000	56.2	70.6	75.1	77.1	81.1	82.8	85.0	87.4	87.8	88.6	89.0	89.0	89.2	89.3	89.3	89.7
IV 900	56.2	70.6	75.1	77.3	81.7	83.4	85.6	88.2	88.6	89.3	89.7	89.7	89.9	90.1	90.1	90.5
IV 800	56.2	70.6	75.5	77.7	82.2	84.2	86.6	89.2	89.5	90.3	90.7	90.7	90.9	91.1	91.1	91.5
IV 700	56.2	70.6	75.5	77.9	82.8	85.2	87.6	90.3	90.7	91.5	91.9	91.9	92.1	92.3	92.3	92.7
IV 600	56.4	71.0	75.7	78.1	83.0	85.6	88.0	90.9	91.3	92.1	92.5	92.5	92.7	92.9	92.9	93.3
IV 500	56.4	71.0	75.7	78.1	83.2	85.8	88.4	92.3	92.7	93.5	93.9	93.9	94.1	94.3	94.3	94.7
IV 400	56.4	71.2	75.9	78.3	83.4	86.0	89.2	93.9	94.3	95.1	95.7	95.7	95.9	96.1	96.1	96.4
IV 300	56.4	71.2	75.9	78.3	83.4	86.4	89.5	94.5	95.5	96.4	97.4	97.4	97.6	97.8	97.8	98.2
IV 200	56.4	71.2	75.9	78.3	83.4	86.4	89.5	94.9	96.3	97.2	98.2	98.2	98.4	98.8	98.8	99.4
IV 100	56.4	71.2	75.9	78.3	83.4	86.4	89.5	94.9	96.4	97.6	98.6	98.6	98.8	99.2	99.2	100.0
IV 0	56.4	71.2	75.9	78.3	83.4	86.4	89.5	94.9	96.4	97.6	98.6	98.6	98.8	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS

507

USAF ETAC

FORM  
JUL 64

0-14-3 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-75,80  
YEARS

USE WITH CAUTION  
SEE FIRST PAGE

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING ≥ 20000	34.6	39.6	40.2	40.6	41.7	41.9	43.3	45.5	45.9	46.9	47.0	47.2	48.2	48.2	49.2	50.0
≥ 18000	36.2	41.7	42.5	43.1	44.3	44.7	46.1	48.4	48.8	49.8	50.2	50.4	51.4	51.4	52.4	53.1
IV 16000	36.2	41.7	42.5	43.1	44.3	44.7	46.1	48.4	48.8	49.8	50.2	50.4	51.4	51.4	52.4	53.1
IV 14000	36.2	41.7	42.5	43.1	44.3	44.7	46.1	48.4	48.8	49.8	50.2	50.4	51.4	51.4	52.4	53.1
IV 12000	37.2	42.7	43.9	44.1	45.3	45.7	47.0	49.8	50.2	51.2	51.6	51.8	52.8	52.8	53.9	54.7
IV 10000	37.6	43.1	43.9	44.5	45.9	46.3	47.8	50.6	51.0	52.0	52.4	52.6	53.5	53.5	54.7	55.9
IV 9000	38.4	44.1	45.3	45.9	47.2	47.6	49.2	52.0	52.4	53.3	53.7	53.9	54.9	54.9	56.1	57.3
IV 8000	39.4	46.3	47.4	48.0	49.4	49.8	51.8	54.5	54.9	55.9	56.3	56.5	57.5	57.5	58.7	59.8
IV 7000	40.0	47.0	48.2	49.0	50.4	50.8	52.8	55.9	56.3	57.3	57.7	57.9	58.9	58.9	60.0	61.2
IV 6000	40.6	47.6	48.8	49.6	51.0	51.4	53.3	56.5	56.9	57.9	58.3	58.5	59.4	59.4	60.6	61.8
IV 5000	42.1	49.8	51.0	51.8	53.1	53.5	55.5	58.7	59.1	60.0	60.4	60.6	61.6	61.6	62.8	64.0
IV 4500	42.9	51.0	52.2	53.3	54.7	55.1	57.1	60.2	60.6	61.6	62.0	62.2	63.2	63.2	64.4	65.6
IV 4000	44.3	52.6	53.7	54.9	56.5	56.9	58.9	62.0	62.4	63.4	63.8	64.0	65.0	65.0	66.1	67.3
IV 3500	45.5	53.9	55.1	56.3	57.9	58.3	60.2	63.4	64.0	65.0	65.4	65.6	66.5	66.5	67.7	68.9
IV 3000	46.3	55.5	56.7	57.9	59.4	59.8	61.8	65.0	65.6	66.5	66.9	67.1	68.1	68.1	69.3	70.5
IV 2500	47.2	56.5	57.9	59.1	60.6	61.0	63.0	66.1	66.7	67.7	68.1	68.3	69.3	69.3	70.5	71.7
IV 2000	48.4	58.1	59.4	60.6	62.2	63.0	65.2	68.3	68.9	69.9	70.3	70.5	71.5	71.5	72.6	73.8
IV 1800	49.6	58.9	60.2	61.4	63.0	63.8	65.9	69.1	69.7	70.7	71.1	71.3	72.2	72.2	73.4	74.6
IV 1500	49.6	60.2	61.6	63.0	64.6	65.4	67.5	70.7	71.3	72.2	72.6	72.8	73.8	73.8	75.0	76.2
IV 1200	50.8	63.2	64.6	66.1	68.3	69.1	71.3	74.4	75.0	76.0	76.4	76.6	77.6	77.6	78.7	79.9
IV 1000	51.0	64.2	65.7	67.5	70.1	70.9	73.0	76.4	77.0	78.0	78.3	78.5	79.5	79.5	80.7	81.9
IV 900	51.8	65.0	66.9	68.9	71.5	72.2	74.4	78.0	78.5	79.5	79.9	80.1	81.1	81.1	82.3	83.5
IV 800	51.8	65.7	67.7	69.7	72.8	73.6	75.8	79.3	79.9	80.9	81.3	81.5	82.5	82.5	83.7	84.8
IV 700	51.8	65.7	67.7	69.7	72.8	74.0	76.4	80.1	80.7	81.7	82.1	82.3	83.3	83.3	84.4	85.6
IV 600	51.8	65.7	67.9	69.9	73.0	74.4	77.0	81.3	82.3	83.7	84.1	84.3	85.2	85.2	86.4	87.6
IV 500	51.8	65.7	68.1	70.1	73.6	75.2	77.8	82.9	84.1	85.4	85.8	86.0	87.0	87.0	88.2	89.4
IV 400	51.8	65.7	68.1	70.1	73.8	75.8	79.5	85.2	87.2	88.6	89.0	89.4	90.4	90.4	91.5	93.1
IV 300	51.8	65.7	68.1	70.1	73.8	76.0	79.9	85.6	87.8	89.2	89.8	90.2	91.1	91.7	93.1	94.7
IV 200	51.8	65.7	68.1	70.1	73.8	76.0	80.3	86.2	88.4	90.0	90.9	91.5	92.7	93.3	94.9	96.7
IV 100	51.8	65.7	68.1	70.1	73.8	76.0	80.3	86.2	88.6	90.2	91.1	91.7	93.1	93.7	95.3	97.2
IV 0	51.8	65.7	68.1	70.1	73.8	76.0	80.3	86.2	88.6	90.2	91.1	91.7	93.1	93.7	95.3	100.0

TOTAL NUMBER OF OBSERVATIONS 506



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	32.9	36.8	38.6	39.4	41.3	42.1	43.0	43.2	43.3	43.9	44.4	44.6	44.9	44.9	45.0	45.9
≥ 20000	34.9	39.4	41.7	42.8	44.8	45.7	46.6	47.0	47.1	47.8	48.4	48.6	48.9	48.9	49.1	50.3
≥ 18000	35.0	39.6	41.8	42.9	44.9	45.8	46.7	47.1	47.2	47.9	48.6	48.7	49.0	49.0	49.2	50.4
≥ 16000	35.0	39.6	41.8	42.9	44.9	45.8	46.7	47.1	47.2	47.9	48.6	48.7	49.0	49.0	49.2	50.4
≥ 14000	35.6	40.1	42.3	43.4	45.4	46.3	47.2	47.7	47.8	48.4	49.1	49.2	49.6	49.6	49.8	51.0
≥ 12000	36.1	40.9	43.1	44.2	46.2	47.1	48.0	48.6	48.7	49.3	50.2	50.3	50.7	50.7	50.9	52.1
≥ 10000	38.0	43.3	45.7	46.9	49.0	50.0	51.0	51.6	51.7	52.3	53.0	53.2	53.3	53.8	54.0	55.6
≥ 9000	38.2	43.9	46.2	47.4	49.6	50.6	51.6	52.2	52.3	53.0	53.9	54.0	54.4	54.4	54.7	56.2
≥ 8000	39.2	45.9	48.2	49.6	52.0	53.0	54.1	54.9	55.0	55.7	56.7	56.8	57.2	57.2	57.6	59.1
≥ 7000	40.2	46.9	49.3	50.7	53.2	54.2	55.3	56.1	56.3	57.0	58.0	58.1	58.6	58.6	58.9	60.4
≥ 6000	40.7	47.3	49.8	51.1	53.8	54.8	55.9	56.7	56.9	57.6	58.6	58.7	59.1	59.1	59.4	61.0
≥ 5000	41.4	48.2	50.7	52.0	54.7	55.8	57.0	57.8	58.0	58.7	59.7	59.8	60.2	60.2	60.6	62.1
≥ 4500	42.4	49.3	51.8	53.1	55.8	56.9	58.1	58.9	59.1	59.8	60.8	60.9	61.3	61.3	61.7	63.2
≥ 4000	43.4	50.3	52.9	54.2	56.9	58.0	59.2	60.0	60.2	60.9	61.9	62.0	62.4	62.4	62.8	64.3
≥ 3500	44.2	51.6	54.1	55.4	58.2	59.6	60.8	61.7	61.9	62.6	63.6	63.7	64.1	64.1	64.4	66.0
≥ 3000	44.7	52.0	54.7	56.0	58.9	60.3	61.6	62.6	62.8	63.4	64.6	64.7	65.1	65.1	65.4	67.0
≥ 2500	45.0	53.0	55.8	57.4	60.7	62.1	63.3	64.3	64.6	65.2	66.3	66.4	66.9	66.9	67.2	68.8
≥ 2000	45.7	54.2	57.1	58.8	62.2	63.8	65.3	66.4	66.7	67.4	68.6	68.7	69.1	69.1	69.4	71.0
≥ 1800	45.9	54.4	57.3	59.1	62.6	64.1	65.7	66.8	67.0	67.8	68.9	69.0	69.4	69.4	69.8	71.3
≥ 1500	46.9	56.2	59.2	61.1	64.9	66.6	68.1	69.2	69.4	70.2	71.3	71.4	71.9	71.9	72.2	73.8
≥ 1200	47.8	58.1	61.1	63.4	67.4	69.1	70.7	71.8	72.0	72.8	73.9	74.0	74.4	74.4	74.8	76.3
≥ 1000	48.2	59.8	62.8	65.8	70.0	71.8	73.6	74.8	75.0	75.8	76.9	77.0	77.4	77.4	77.8	79.3
≥ 900	48.4	60.2	63.3	66.3	70.6	72.6	74.4	75.7	76.0	76.9	78.0	78.1	78.6	78.6	78.9	80.4
≥ 800	48.4	60.2	63.6	66.7	71.0	73.2	75.6	76.9	77.2	78.1	79.3	79.4	79.9	79.9	80.2	81.8
≥ 700	48.7	60.8	64.1	67.4	72.0	74.8	77.3	78.8	79.3	80.4	81.7	81.8	82.2	82.2	82.6	84.1
≥ 600	48.7	60.9	64.2	67.6	72.2	75.3	78.2	80.0	80.7	81.8	83.0	83.1	83.6	83.6	83.9	85.4
≥ 500	48.7	60.9	64.2	67.9	72.8	76.0	78.9	81.1	81.9	83.0	84.3	84.4	85.0	85.0	85.4	87.0
≥ 400	48.7	61.0	64.3	68.0	73.2	76.7	79.7	82.1	83.2	84.6	86.4	86.6	87.2	87.2	87.7	89.6
≥ 300	48.7	61.0	64.3	68.1	73.4	77.2	80.7	83.7	85.1	86.6	88.8	88.9	89.6	89.7	90.3	92.6
≥ 200	48.7	61.0	64.3	68.1	73.4	77.2	80.9	83.9	85.4	87.1	89.7	89.9	90.7	91.1	92.6	95.9
≥ 100	48.7	61.0	64.3	68.1	73.4	77.2	80.9	83.9	85.4	87.1	89.7	89.9	90.7	91.2	93.1	97.7
≥ 0	48.7	61.0	64.3	68.1	73.4	77.2	80.9	83.9	85.4	87.1	89.7	89.9	90.7	91.2	93.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
APO WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1980-1100  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	40.3	46.1	48.2	49.9	50.6	50.9	51.1	51.2	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3
≥ 20000	43.7	50.3	52.8	54.7	55.6	55.9	56.1	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3
≥ 18000	43.7	50.3	52.8	54.7	55.6	55.9	56.1	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3
IV 16000	43.7	50.3	52.8	54.7	55.6	55.9	56.1	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3
IV 14000	43.8	50.4	52.9	54.8	55.7	56.0	56.2	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4
IV 12000	44.4	51.1	53.6	55.4	56.4	56.8	57.1	57.3	57.3	57.4	57.6	57.6	57.6	57.6	57.6	57.6
IV 10000	45.7	52.8	55.2	57.3	58.4	58.8	59.1	59.3	59.3	59.6	59.7	59.7	59.7	59.7	59.7	59.7
IV 9000	46.4	53.5	56.3	58.4	59.6	59.9	60.2	60.4	60.4	60.7	60.8	60.8	60.8	60.8	60.8	60.8
≥ 8000	48.0	56.2	58.7	60.8	62.0	62.3	62.7	62.9	62.9	63.1	63.2	63.2	63.2	63.2	63.2	63.2
IV 7000	49.3	57.7	60.1	62.2	63.4	63.8	64.1	64.3	64.3	64.6	64.7	64.7	64.7	64.7	64.7	64.7
IV 6000	50.0	58.6	61.1	63.2	64.4	64.8	65.1	65.3	65.3	65.6	65.7	65.7	65.7	65.7	65.7	65.7
IV 5000	51.4	60.4	63.0	65.2	66.4	66.8	67.1	67.3	67.3	67.6	67.7	67.7	67.7	67.7	67.7	67.7
IV 4500	52.2	61.4	64.1	66.2	67.7	68.0	68.3	68.6	68.6	68.8	68.9	68.9	68.9	68.9	68.9	68.9
IV 4000	54.1	63.6	66.3	68.7	70.2	70.6	70.9	71.1	71.1	71.3	71.4	71.4	71.4	71.4	71.4	71.4
IV 3500	55.3	65.1	68.1	70.4	72.0	72.4	72.8	73.0	73.0	73.2	73.3	73.3	73.3	73.3	73.3	73.3
IV 3000	57.0	67.3	70.7	73.1	74.8	75.2	75.6	75.8	75.8	76.0	76.1	76.1	76.1	76.1	76.1	76.1
IV 2500	58.0	68.7	72.0	74.6	76.6	77.0	77.3	77.6	77.6	77.8	77.9	77.9	77.9	77.9	77.9	77.9
IV 2000	60.2	71.8	75.4	78.1	80.2	80.7	81.1	81.3	81.3	81.6	81.7	81.7	81.7	81.7	81.7	81.7
IV 1800	60.8	72.6	76.2	78.9	81.1	81.6	82.0	82.3	82.3	82.6	82.7	82.7	82.7	82.7	82.7	82.7
IV 1500	62.0	74.1	78.0	80.9	83.2	83.8	84.2	84.6	84.6	84.8	84.9	84.9	84.9	84.9	84.9	84.9
IV 1200	63.0	75.9	80.1	83.4	85.9	86.4	87.0	87.3	87.3	87.6	87.7	87.7	87.7	87.7	87.7	87.7
IV 1000	63.8	77.3	81.7	85.7	88.2	88.9	89.6	89.9	89.9	90.1	90.2	90.2	90.2	90.2	90.2	90.2
IV 900	63.8	77.7	82.0	86.4	89.0	89.8	90.4	90.8	90.8	91.0	91.1	91.1	91.1	91.1	91.1	91.1
IV 800	63.8	78.1	82.8	87.3	89.9	90.7	91.6	92.0	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3
IV 700	63.8	78.1	83.0	87.6	90.8	91.9	93.0	93.9	93.9	94.2	94.3	94.3	94.3	94.3	94.3	94.3
IV 600	63.8	78.3	83.2	87.9	91.3	92.4	93.7	94.8	94.8	95.1	95.2	95.2	95.2	95.2	95.2	95.2
IV 500	63.8	78.3	83.3	88.1	91.9	93.0	94.3	95.8	95.9	96.3	96.4	96.4	96.4	96.4	96.4	96.4
IV 400	63.8	78.3	83.3	88.2	92.2	93.4	95.0	96.8	96.9	97.4	97.6	97.6	97.6	97.6	97.6	97.6
IV 300	63.8	78.3	83.3	88.2	92.4	93.8	95.4	97.4	97.7	98.2	98.3	98.3	98.4	98.6	98.6	98.7
IV 200	63.8	78.3	83.3	88.2	92.4	93.8	95.6	97.6	97.8	98.3	98.4	98.8	99.2	99.8	99.8	99.9
IV 100	63.8	78.3	83.3	88.2	92.4	93.8	95.6	97.6	97.8	98.3	98.4	98.8	99.2	99.9	99.9	100.0
IV 0	63.8	78.3	83.3	88.2	92.4	93.8	95.6	97.6	97.8	98.3	98.4	98.8	99.2	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	43.1	48.6	49.0	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 20000	48.3	54.6	55.0	56.3	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 18000	48.3	54.6	55.0	56.3	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 16000	48.3	54.6	55.0	56.3	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 14000	48.4	54.7	55.1	56.4	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 12000	48.9	55.1	55.7	57.0	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 10000	50.3	57.1	57.7	59.0	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 9000	51.0	58.0	58.8	60.1	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 8000	53.3	61.2	62.0	63.3	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 7000	54.9	63.2	64.0	65.4	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 6000	55.8	64.3	65.1	66.6	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 5000	57.4	66.6	67.3	68.8	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 4500	59.8	69.1	69.9	71.3	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4000	63.1	73.2	74.0	75.7	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 3500	66.3	76.9	77.7	79.3	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 3000	68.6	79.8	80.7	82.4	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2500	69.8	81.7	82.7	85.0	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2000	71.4	84.6	85.8	88.3	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1800	71.7	85.1	86.3	89.1	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1500	72.4	86.1	87.4	90.4	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1200	72.7	86.6	88.4	91.7	93.9	94.2	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1000	73.1	87.8	90.0	93.4	95.7	96.0	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 900	73.1	87.8	90.0	93.7	96.0	96.4	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 800	73.1	87.9	90.2	94.2	96.8	97.2	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	73.1	88.0	90.3	94.6	97.3	97.8	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	73.1	88.0	90.4	94.7	97.6	98.1	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	73.1	88.0	90.4	94.7	97.6	98.1	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	73.1	88.0	90.4	94.7	97.6	98.1	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	73.1	88.0	90.4	94.7	97.7	98.3	99.2	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200	73.1	88.0	90.4	94.7	97.7	98.3	99.2	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100	73.1	88.0	90.4	94.7	97.7	98.3	99.2	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0	73.1	88.0	90.4	94.7	97.7	98.3	99.2	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14713

WESTOVER AFB MA

69-70,73-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.3	50.1	50.8	51.2	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 20000	54.6	58.0	58.8	59.4	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 18000	54.6	58.0	58.8	59.4	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 16000	54.6	58.0	58.8	59.4	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 14000	55.1	58.6	59.3	60.0	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 12000	55.8	59.7	60.4	61.1	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 10000	57.0	61.9	62.7	63.3	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 9000	57.7	62.8	63.7	64.4	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 8000	60.2	65.9	67.0	67.9	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 7000	61.0	67.2	68.4	69.3	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 6000	62.9	69.3	70.6	71.4	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 5000	65.6	72.9	74.1	75.0	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 4500	66.8	74.2	75.7	76.6	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4000	69.0	77.7	79.6	80.6	81.3	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 3500	70.8	79.4	81.3	82.4	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 3000	72.3	82.0	84.1	85.2	86.2	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 2500	74.4	84.8	87.0	88.1	89.2	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 2000	74.9	85.6	87.9	89.1	90.7	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1800	75.0	86.0	88.3	89.7	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1500	75.1	86.1	88.7	90.7	92.8	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1200	75.6	86.9	89.7	92.3	95.2	95.8	95.9	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1000	75.8	87.1	90.2	93.0	96.2	96.9	97.0	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900	75.8	87.1	90.2	93.2	96.4	97.1	97.3	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800	75.8	87.4	90.6	93.7	97.2	97.9	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 700	75.8	87.4	90.6	93.7	97.2	98.0	98.3	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	75.8	87.4	90.6	93.7	97.2	98.1	98.6	99.0	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4
≥ 500	75.8	87.4	90.6	93.7	97.2	98.1	98.7	99.1	99.2	99.4	99.4	99.6	99.7	99.7	99.7	99.7
≥ 400	75.8	87.4	90.6	93.7	97.2	98.1	98.7	99.1	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0
≥ 300	75.8	87.4	90.6	93.7	97.2	98.1	98.7	99.1	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0
≥ 200	75.8	87.4	90.6	93.7	97.2	98.1	98.7	99.1	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0
≥ 100	75.8	87.4	90.6	93.7	97.2	98.1	98.7	99.1	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0
≥ 0	75.8	87.4	90.6	93.7	97.2	98.1	98.7	99.1	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	¼	≥0
NO CEILING	46.4	51.2	52.3	52.9	53.7	54.2	54.6	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 20000	50.7	56.2	57.6	58.2	59.0	59.6	59.9	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 18000	50.9	56.4	57.8	58.4	59.2	59.8	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 16000	50.9	56.4	57.8	58.4	59.2	59.8	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 14000	51.2	56.8	58.1	58.8	59.6	60.1	60.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 12000	51.8	57.8	59.1	59.8	60.6	61.2	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 10000	52.6	59.3	60.7	61.3	62.1	62.8	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 9000	53.9	60.9	62.2	62.9	63.7	64.3	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 8000	57.6	66.0	67.6	68.3	69.3	70.0	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 7000	58.2	67.0	68.8	69.7	70.7	71.3	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 6000	59.1	68.4	70.2	71.2	72.3	73.0	73.4	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 5000	62.0	71.7	73.6	74.7	75.8	76.4	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 4500	63.0	73.0	74.9	76.0	77.2	77.9	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4000	65.1	75.9	78.0	79.3	80.8	81.4	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 3500	66.6	77.4	79.6	81.0	82.7	83.3	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 3000	67.3	78.7	81.0	82.7	84.4	85.2	85.7	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 2500	68.1	79.9	82.3	84.2	86.2	87.0	87.4	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 2000	69.9	82.6	85.1	87.0	89.1	90.0	90.6	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 1800	69.9	82.8	85.3	87.2	89.3	90.4	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1500	70.3	83.7	86.2	88.2	90.7	91.9	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1200	70.3	84.4	87.1	89.8	92.6	94.0	94.9	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1000	70.3	84.7	87.4	90.4	93.6	95.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 900	70.3	84.8	87.7	90.7	93.8	95.3	96.4	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 800	70.3	85.3	88.3	91.4	94.6	96.1	97.2	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 700	70.3	85.3	88.4	91.6	94.7	96.2	97.3	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 600	70.3	85.3	88.4	91.6	94.8	96.3	97.8	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 500	70.3	85.3	88.4	91.6	95.1	96.7	98.2	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	70.3	85.3	88.4	91.6	95.3	96.9	98.6	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	70.3	85.3	88.4	91.6	95.3	96.9	98.6	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	70.3	85.3	88.4	91.6	95.3	96.9	98.6	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	70.3	85.3	88.4	91.6	95.3	96.9	98.6	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	70.3	85.3	88.4	91.6	95.3	96.9	98.6	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

USE WITH CAUTION  
SEE FIRST PAGE

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	42.6	49.7	51.3	52.0	53.1	54.2	54.6	55.0	55.0	55.0	55.0	55.0	55.0	55.2	55.2	55.2
≥ 20000	44.7	51.9	53.8	54.6	56.0	57.1	57.5	58.0	58.0	58.0	58.0	58.0	58.0	58.2	58.2	58.2
≥ 18000	44.2	52.0	53.9	54.7	56.1	57.2	57.7	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3
≥ 16000	44.2	52.0	53.9	54.7	56.1	57.2	57.7	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3
≥ 14000	44.2	52.0	53.9	54.7	56.1	57.2	57.7	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3
≥ 12000	44.5	52.4	54.2	55.0	56.4	57.5	58.0	58.5	58.5	58.5	58.5	58.5	58.5	58.6	58.6	58.6
≥ 10000	46.7	55.5	57.4	58.2	59.7	60.8	61.3	61.8	61.8	61.8	61.8	61.8	61.8	61.9	61.9	61.9
≥ 9000	46.9	55.7	57.5	58.3	59.9	61.0	61.5	61.9	61.9	61.9	61.9	61.9	61.9	62.1	62.1	62.1
≥ 8000	48.6	58.0	59.9	60.8	62.4	63.5	64.0	64.5	64.5	64.5	64.5	64.5	64.5	64.6	64.6	64.6
≥ 7000	50.3	60.4	62.6	63.8	65.6	66.8	67.5	67.9	67.9	67.9	67.9	67.9	67.9	68.1	68.1	68.1
≥ 6000	51.6	61.6	63.8	65.1	66.8	68.1	68.7	69.2	69.2	69.2	69.2	69.2	69.2	69.3	69.3	69.3
≥ 5000	53.5	64.5	66.7	68.1	70.1	71.4	72.0	72.5	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.6
≥ 4500	54.9	66.2	68.4	69.8	71.9	73.3	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.7	74.7	74.7
≥ 4000	56.9	68.7	70.9	72.5	74.7	76.3	77.0	77.5	77.5	77.5	77.5	77.5	77.5	77.7	77.7	77.7
≥ 3500	59.1	70.9	73.3	74.8	77.0	78.6	79.4	79.9	79.9	79.9	79.9	79.9	79.9	80.0	80.0	80.0
≥ 3000	60.5	72.5	74.8	76.4	78.6	80.3	81.3	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9	81.9
≥ 2500	61.2	73.4	75.8	77.4	79.7	81.4	82.4	82.9	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.0
≥ 2000	61.9	75.5	77.8	79.4	81.8	83.6	84.6	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2
≥ 1800	62.3	76.1	78.5	80.0	82.4	84.3	85.2	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8
≥ 1500	63.4	77.2	79.9	81.6	84.6	86.5	87.6	88.2	88.2	88.2	88.2	88.2	88.2	88.4	88.4	88.4
≥ 1200	64.2	79.2	81.9	84.3	87.6	89.9	91.4	92.0	92.0	92.0	92.0	92.0	92.0	92.1	92.1	92.1
≥ 1000	64.5	80.0	83.0	85.4	88.8	91.4	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.7	93.7	93.7
≥ 900	64.6	80.5	83.6	86.3	89.9	92.6	94.2	95.0	95.0	95.0	95.0	95.0	95.0	95.1	95.1	95.1
≥ 800	64.6	80.5	83.6	86.3	90.1	93.1	94.8	95.6	95.6	95.6	95.6	95.6	95.6	95.8	95.8	95.8
≥ 700	64.6	80.5	83.6	86.3	90.3	93.6	95.4	96.4	96.4	96.4	96.4	96.4	96.4	96.5	96.5	96.5
≥ 600	64.6	80.5	83.6	86.3	90.3	93.7	96.1	97.0	97.0	97.0	97.0	97.0	97.0	97.2	97.2	97.2
≥ 500	64.6	80.5	83.6	86.3	90.4	93.9	96.7	98.1	98.1	98.1	98.1	98.1	98.1	98.3	98.3	98.3
≥ 400	64.6	80.5	83.6	86.3	90.4	94.0	97.0	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2
≥ 300	64.6	80.5	83.6	86.3	90.4	94.0	97.2	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
≥ 200	64.6	80.5	83.6	86.3	90.4	94.0	97.2	99.7	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0
≥ 100	64.6	80.5	83.6	86.3	90.4	94.0	97.2	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 0	64.6	80.5	83.6	86.3	90.4	94.0	97.2	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 636



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	41.1	45.9	47.2	48.1	49.1	49.6	50.1	50.4	50.5	50.7	50.9	50.9	51.1	51.1	51.2	51.4
≥ 20000	44.7	50.2	51.7	52.8	53.8	54.4	54.9	55.3	55.4	55.6	55.8	55.9	56.0	56.0	56.2	56.4
≥ 18000	44.8	50.3	51.8	52.9	53.9	54.4	55.0	55.4	55.5	55.7	55.9	55.9	56.1	56.1	56.2	56.5
≥ 16000	44.8	50.3	51.8	52.9	53.9	54.5	55.0	55.4	55.5	55.7	55.9	56.0	56.1	56.1	56.3	56.5
≥ 14000	45.0	50.6	52.0	53.1	54.2	54.8	55.3	55.7	55.8	56.0	56.2	56.3	56.4	56.4	56.5	56.8
≥ 12000	45.6	51.3	52.8	53.9	55.0	55.6	56.1	56.6	56.7	56.9	57.1	57.2	57.3	57.4	57.5	57.8
≥ 10000	47.0	53.3	54.8	56.0	57.2	57.7	58.3	58.8	58.9	59.2	59.4	59.4	59.6	59.6	59.7	60.1
≥ 9000	47.7	54.2	55.9	57.0	58.2	58.8	59.4	59.9	60.0	60.3	60.5	60.5	60.7	60.7	60.8	61.2
≥ 8000	49.7	57.1	58.9	60.1	61.5	62.1	62.7	63.2	63.3	63.6	63.8	63.8	64.0	64.0	64.2	64.5
≥ 7000	50.8	58.6	60.5	61.8	63.2	63.8	64.4	65.0	65.1	65.4	65.6	65.7	65.8	65.9	66.0	66.4
≥ 6000	51.7	59.7	61.6	62.9	64.3	64.9	65.6	66.2	66.3	66.6	66.8	66.9	67.0	67.1	67.2	67.6
≥ 5000	53.5	62.1	64.0	65.4	66.9	67.5	68.1	68.8	68.9	69.1	69.4	69.4	69.6	69.6	69.7	70.1
≥ 4500	54.7	63.6	65.5	66.9	68.4	69.1	69.8	70.4	70.5	70.8	71.0	71.0	71.2	71.2	71.4	71.7
≥ 4000	56.7	66.1	68.2	69.7	71.4	72.0	72.7	73.4	73.5	73.7	74.0	74.0	74.2	74.2	74.3	74.7
≥ 3500	58.4	68.0	70.2	71.7	73.5	74.2	74.9	75.5	75.6	75.9	76.2	76.2	76.3	76.4	76.5	76.9
≥ 3000	59.6	69.8	72.1	73.7	75.5	76.3	77.0	77.7	77.9	78.1	78.4	78.4	78.6	78.6	78.8	79.1
≥ 2500	67.6	71.2	73.6	75.5	77.4	78.2	78.9	79.6	79.7	80.0	80.3	80.3	80.5	80.5	80.6	81.0
≥ 2000	61.8	73.2	75.7	77.6	79.7	80.6	81.5	82.2	82.3	82.6	82.8	82.9	83.0	83.1	83.2	83.6
≥ 1800	62.1	73.7	76.3	78.2	80.4	81.4	82.2	83.0	83.1	83.4	83.6	83.6	83.8	83.8	84.0	84.3
≥ 1500	62.9	74.9	77.6	79.7	82.2	83.2	84.1	84.9	85.0	85.3	85.5	85.6	85.7	85.8	85.9	86.3
≥ 1200	63.6	76.4	79.3	82.0	84.9	86.0	87.0	87.9	88.0	88.3	88.5	88.6	88.7	88.8	88.9	89.3
≥ 1000	64.0	77.4	80.5	83.4	86.6	87.8	88.8	89.8	89.9	90.2	90.4	90.5	90.6	90.7	90.8	91.2
≥ 900	64.1	77.7	80.8	84.0	87.2	88.4	89.6	90.6	90.7	91.0	91.3	91.3	91.4	91.5	91.6	92.0
≥ 800	64.1	78.0	81.3	84.5	87.9	89.2	90.5	91.6	91.7	92.0	92.3	92.3	92.5	92.5	92.7	93.0
≥ 700	64.1	78.1	81.4	84.7	88.3	89.9	91.3	92.5	92.7	93.1	93.4	93.4	93.6	93.6	93.8	94.1
≥ 600	64.1	78.1	81.5	84.8	88.5	90.2	91.9	93.2	93.5	93.9	94.2	94.2	94.4	94.4	94.6	94.9
≥ 500	64.1	78.1	81.5	84.9	88.8	90.6	92.3	94.0	94.3	94.7	95.0	95.1	95.3	95.3	95.4	95.8
≥ 400	64.1	78.2	81.6	85.0	89.1	90.8	92.8	94.8	95.3	95.8	96.2	96.2	96.5	96.5	96.7	97.1
≥ 300	64.1	78.2	81.6	85.0	89.1	91.1	93.2	95.3	96.0	96.5	97.0	97.0	97.3	97.4	97.6	98.1
≥ 200	64.1	78.2	81.6	85.0	89.1	91.1	93.3	95.4	96.1	96.7	97.3	97.5	97.8	98.0	98.4	99.1
≥ 100	64.1	78.2	81.6	85.0	89.1	91.1	93.3	95.4	96.2	96.8	97.4	97.5	97.8	98.1	98.5	99.4
≥ 0	64.1	78.2	81.6	85.0	89.1	91.1	93.3	95.4	96.2	96.8	97.4	97.5	97.8	98.1	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 6151

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

14703

WESTOVER AFB MA

69-70,73-75

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	49.0	56.8	57.6	58.3	59.4	59.6	60.0	60.6	60.9	61.1	61.5	61.5	61.9	61.9	62.6	62.6
IV 20000	52.3	60.4	61.3	61.9	63.0	63.2	63.7	64.3	64.5	64.7	65.2	65.2	65.6	65.6	66.7	66.7
IV 18000	52.3	60.4	61.3	61.9	63.0	63.2	63.7	64.3	64.5	64.7	65.2	65.2	65.6	65.6	66.7	66.7
IV 16000	52.3	60.4	61.3	61.9	63.0	63.2	63.7	64.3	64.5	64.7	65.2	65.2	65.6	65.6	66.7	66.7
IV 14000	52.3	60.4	61.3	61.9	63.0	63.2	63.7	64.3	64.5	64.7	65.2	65.2	65.6	65.6	66.7	66.7
IV 12000	52.3	60.4	61.3	61.9	63.0	63.2	63.7	64.3	64.5	64.7	65.2	65.2	65.6	65.6	66.7	66.7
IV 10000	54.0	62.8	63.7	64.3	65.6	65.8	66.5	67.1	67.3	67.5	68.0	68.0	68.4	68.4	69.5	69.5
IV 9000	54.2	63.0	63.9	64.5	65.8	66.0	66.7	67.3	67.5	67.7	68.2	68.2	68.6	68.6	69.7	69.7
IV 8000	55.1	64.3	65.2	65.8	67.1	67.3	68.0	68.8	69.0	69.2	69.7	69.7	70.3	70.3	71.4	71.4
IV 7000	57.2	67.3	68.2	68.8	70.1	70.3	71.0	71.8	72.0	72.3	72.7	72.7	73.3	73.3	74.4	74.4
IV 6000	57.6	68.4	69.2	69.9	71.2	71.4	72.0	72.9	73.1	73.3	73.8	73.8	74.4	74.4	75.5	75.5
IV 5000	58.1	69.2	70.1	70.8	72.0	72.3	72.9	73.8	74.0	74.2	74.6	74.6	75.3	75.3	76.3	76.3
IV 4500	58.3	69.5	70.3	71.2	72.5	72.7	73.3	74.2	74.4	74.6	75.1	75.1	75.7	75.7	76.8	76.8
IV 4000	60.0	71.6	72.5	73.3	74.8	75.1	75.7	76.6	76.8	77.0	77.4	77.4	78.1	78.1	79.1	79.1
IV 3500	61.1	72.7	73.8	74.6	76.1	76.3	77.0	77.8	78.1	78.3	78.7	78.7	79.4	79.4	80.4	80.4
IV 3000	63.2	75.3	76.6	77.4	79.1	79.4	80.0	80.9	81.1	81.3	81.7	81.7	82.4	82.4	83.4	83.4
IV 2500	64.5	77.6	79.4	80.2	81.9	82.2	82.8	83.7	83.9	84.1	84.5	84.5	85.2	85.2	86.2	86.2
IV 2000	65.6	79.4	81.1	81.9	83.7	83.9	84.5	85.4	85.6	85.8	86.2	86.2	86.9	86.9	88.0	88.0
IV 1800	65.8	80.0	81.7	82.6	84.3	84.5	85.2	86.0	86.2	86.5	86.9	86.9	87.5	87.5	88.6	88.6
IV 1500	65.8	81.3	83.0	84.3	86.0	86.2	86.9	87.7	88.0	88.2	88.6	88.6	89.2	89.2	90.3	90.3
IV 1200	66.5	83.0	85.2	86.7	88.4	88.6	89.2	90.1	90.3	90.5	91.0	91.0	91.6	91.6	92.7	92.7
IV 1000	66.9	84.1	86.5	88.2	90.1	90.8	91.4	92.3	92.5	92.7	93.1	93.1	93.8	93.8	94.8	94.8
IV 900	66.9	84.3	86.7	88.4	90.3	91.0	91.6	92.5	92.7	92.9	93.3	93.3	94.0	94.0	95.1	95.1
IV 800	67.1	84.7	87.3	89.5	91.6	92.5	93.1	94.4	94.6	94.8	95.3	95.3	95.9	95.9	97.0	97.0
IV 700	67.1	84.7	87.3	89.7	91.8	92.7	93.3	94.8	95.3	95.5	95.9	95.9	96.6	96.6	97.6	97.6
IV 600	67.1	84.7	87.3	89.7	92.0	92.9	93.5	95.1	95.5	95.7	96.1	96.1	96.8	96.8	97.8	97.8
IV 500	67.1	84.7	87.3	89.7	92.7	93.5	94.2	95.7	96.1	96.3	97.0	97.0	97.6	97.6	98.7	98.7
IV 400	67.1	84.7	87.3	89.7	92.7	93.5	94.2	95.9	96.3	96.6	97.2	97.2	97.8	97.8	98.9	98.9
IV 300	67.1	84.7	87.3	89.7	92.7	93.5	94.2	96.1	96.6	96.8	97.4	97.4	98.1	98.1	99.1	99.1
IV 200	67.1	84.7	87.3	89.7	92.7	93.5	94.2	96.1	96.6	96.8	97.4	97.4	98.1	98.1	99.1	99.4
IV 100	67.1	84.7	87.3	89.7	92.7	93.5	94.2	96.1	96.6	96.8	97.4	97.4	98.1	98.1	99.1	100.0
IV 0	67.1	84.7	87.3	89.7	92.7	93.5	94.2	96.1	96.6	96.8	97.4	97.4	98.1	98.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 465



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-75

USE WITH CAUTION  
SEE FIRST PAGE

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.5	52.5	53.8	54.2	55.1	55.3	55.7	57.0	57.0	57.4	57.4	57.6	58.1	58.1	58.7	59.6
≥ 20000	49.7	54.8	56.1	56.6	57.4	57.6	58.1	59.4	59.4	59.8	59.8	60.0	60.4	60.4	61.1	61.9
≥ 18000	49.7	54.8	56.1	56.6	57.4	57.6	58.1	59.4	59.4	59.8	59.8	60.0	60.4	60.4	61.1	61.9
≥ 16000	49.7	54.8	56.1	56.6	57.4	57.6	58.1	59.4	59.4	59.8	59.8	60.0	60.4	60.4	61.1	61.9
≥ 14000	49.7	55.1	56.3	56.8	57.6	57.8	58.3	59.6	59.6	60.0	60.0	60.2	60.6	60.6	61.3	62.2
≥ 12000	49.7	55.1	56.3	56.8	57.6	57.8	58.3	59.6	59.6	60.0	60.0	60.2	60.6	60.6	61.3	62.2
≥ 10000	51.0	56.3	57.6	58.1	58.9	59.1	60.2	61.5	61.5	61.9	61.9	62.2	62.6	62.6	63.2	64.1
≥ 9000	51.0	56.3	57.6	58.1	58.9	59.1	60.2	61.5	61.5	61.9	61.9	62.2	62.6	62.6	63.2	64.1
≥ 8000	52.3	58.5	60.0	60.4	61.3	61.5	62.6	63.9	63.9	64.3	64.3	64.5	64.9	64.9	65.6	66.5
≥ 7000	54.1	60.2	61.7	62.2	63.2	63.4	64.5	65.8	65.8	66.2	66.2	66.5	66.9	66.9	67.5	68.4
≥ 6000	55.3	62.2	63.7	64.1	65.2	65.4	66.5	67.7	67.7	68.2	68.2	68.4	68.8	68.8	69.5	70.3
≥ 5000	55.3	62.4	63.9	64.3	65.4	65.6	66.7	68.0	68.0	68.4	68.4	68.6	69.0	69.0	69.7	70.5
≥ 4500	55.9	63.0	64.9	65.6	66.7	66.9	68.0	69.2	69.2	69.7	69.7	69.9	70.3	70.3	71.0	71.8
≥ 4000	55.9	63.0	64.9	65.6	66.7	66.9	68.2	69.5	69.5	69.9	69.9	70.1	70.5	70.5	71.2	72.0
≥ 3500	56.1	64.1	66.0	66.7	67.7	68.0	69.2	70.5	70.5	71.0	71.0	71.2	71.6	71.6	72.3	73.1
≥ 3000	57.2	65.6	67.5	68.2	69.2	69.5	70.8	72.0	72.0	72.5	72.5	72.7	73.1	73.1	73.8	74.6
≥ 2500	58.7	68.8	70.8	71.6	72.7	72.9	74.2	75.5	75.5	75.9	75.9	76.1	76.6	76.6	77.2	78.1
≥ 2000	59.8	70.3	72.7	73.5	74.8	75.1	76.3	77.6	77.6	78.1	78.1	78.3	78.7	78.7	79.4	80.2
≥ 1800	60.0	70.5	72.9	73.8	75.1	75.3	76.6	77.8	77.8	78.3	78.3	78.5	78.9	78.9	79.6	80.4
≥ 1500	60.4	72.7	75.1	75.9	77.2	77.4	78.7	80.0	80.0	80.4	80.4	80.6	81.1	81.1	81.7	82.6
≥ 1200	61.5	75.5	78.3	80.0	81.7	81.9	84.1	85.4	85.4	85.8	85.8	86.0	86.5	86.5	87.1	88.0
≥ 1000	61.9	76.8	79.8	81.9	83.7	84.1	86.5	87.7	87.7	88.2	88.2	88.4	88.8	88.8	89.7	90.5
≥ 900	61.9	76.8	79.8	81.9	83.7	84.1	86.5	87.7	87.7	88.2	88.2	88.4	88.8	88.8	89.7	90.5
≥ 800	62.2	77.0	80.0	82.2	83.9	84.9	87.7	89.0	89.2	89.7	89.7	89.9	90.3	90.3	91.2	92.3
≥ 700	62.2	77.0	80.0	82.2	83.9	84.9	87.7	89.0	89.5	89.9	89.9	90.1	90.5	90.5	91.4	92.7
≥ 600	62.2	77.0	80.2	82.4	84.1	85.2	88.0	89.2	89.7	90.1	90.3	90.5	91.0	91.0	91.8	93.1
≥ 500	62.2	77.2	80.4	82.6	84.3	85.8	88.6	90.1	90.5	91.0	91.2	91.4	91.8	91.8	92.7	94.0
≥ 400	62.2	77.2	80.4	82.6	84.3	85.8	88.8	90.3	91.0	91.6	91.8	92.0	92.5	92.5	93.3	94.6
≥ 300	62.2	77.2	80.4	82.6	84.3	85.8	89.2	91.0	91.6	92.3	92.5	92.7	93.8	93.8	94.6	95.9
≥ 200	62.2	77.2	80.6	82.8	84.5	86.0	89.5	91.4	92.3	92.9	93.1	93.3	94.4	94.4	95.3	97.8
≥ 100	62.2	77.2	80.6	82.8	84.5	86.0	89.5	91.6	92.5	93.1	93.3	93.5	94.8	94.8	95.7	98.5
≥ 0	62.2	77.2	80.6	82.8	84.5	86.0	89.5	91.6	92.5	93.1	93.3	93.5	94.8	94.8	95.7	100.0

TOTAL NUMBER OF OBSERVATIONS 465



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	36.5	40.1	40.8	41.3	42.2	42.4	42.6	43.2	43.3	43.4	43.5	43.5	43.6	43.8	44.2	45.2
≥20000	39.6	43.7	44.4	45.0	46.1	46.3	46.6	47.1	47.2	47.4	47.7	47.7	47.8	48.0	48.4	49.6
≥18000	39.6	43.9	44.6	45.2	46.3	46.6	46.8	47.3	47.4	47.7	47.9	47.9	48.0	48.2	48.6	49.8
≥16000	39.6	43.9	44.6	45.2	46.3	46.6	46.8	47.3	47.4	47.7	47.9	47.9	48.0	48.2	48.6	49.8
≥14000	40.0	44.4	45.0	45.7	46.8	47.0	47.2	47.8	47.9	48.1	48.3	48.3	48.4	48.6	49.1	50.3
≥12000	41.2	45.8	46.4	47.1	48.2	48.4	48.6	49.2	49.3	49.5	49.7	49.7	49.8	50.1	50.5	51.7
≥10000	43.1	48.4	49.2	50.1	51.3	51.7	52.0	52.6	52.7	52.9	53.1	53.1	53.2	53.4	53.9	55.1
≥9000	43.4	49.0	49.7	50.6	51.8	52.2	52.6	53.1	53.2	53.4	53.7	53.7	53.8	54.0	54.4	55.6
≥8000	44.7	50.8	51.7	52.7	54.0	54.4	54.8	55.6	55.7	56.1	56.3	56.3	56.4	56.6	57.0	58.3
≥7000	46.2	52.8	53.8	54.8	56.2	56.8	57.3	58.1	58.3	58.6	58.8	58.8	58.9	59.1	59.6	60.9
≥6000	47.7	54.0	55.1	56.1	57.5	58.1	58.6	59.5	59.6	59.9	60.1	60.1	60.2	60.4	60.9	62.2
≥5000	48.6	56.0	57.2	58.1	59.7	60.3	60.9	61.7	61.9	62.2	62.4	62.4	62.5	62.7	63.2	64.5
≥4500	49.0	56.3	57.5	58.5	60.0	60.7	61.2	62.1	62.2	62.5	62.7	62.7	62.8	63.1	63.5	64.8
≥4000	50.3	57.9	59.1	60.1	61.9	62.5	63.1	63.9	64.0	64.4	64.6	64.6	64.7	64.9	65.4	66.8
≥3500	51.4	59.6	60.8	61.7	63.5	64.2	64.7	65.6	65.7	66.0	66.2	66.2	66.3	66.6	67.0	68.4
≥3000	53.3	62.0	63.2	64.2	66.0	66.7	67.3	68.2	68.4	68.7	69.0	69.0	69.1	69.3	69.7	71.1
≥2500	55.2	65.0	66.4	67.5	69.4	70.3	71.4	72.2	72.5	72.8	73.0	73.0	73.1	73.3	73.8	75.2
≥2000	56.9	67.3	68.9	69.9	71.8	72.7	74.0	74.9	75.1	75.4	75.6	75.6	75.7	76.0	76.4	77.8
≥1800	57.5	68.5	70.2	71.3	73.1	74.0	75.3	76.2	76.4	76.8	77.0	77.0	77.2	77.4	77.8	79.2
≥1500	57.8	69.2	71.3	72.5	74.4	75.5	77.0	78.0	78.3	78.7	78.9	78.9	79.0	79.2	79.7	81.1
≥1200	58.3	70.3	72.9	74.5	76.6	78.0	79.6	80.5	80.8	81.3	81.5	81.5	81.6	81.9	82.3	83.7
≥1000	58.6	71.3	74.2	76.1	78.4	80.0	81.9	82.8	83.2	83.7	83.9	83.9	84.0	84.3	84.7	86.1
≥900	58.7	71.6	74.6	76.5	78.9	80.9	82.7	83.8	84.2	84.7	84.9	84.9	85.0	85.2	85.7	87.1
≥800	58.8	71.9	75.2	77.3	80.0	82.1	84.0	85.1	85.6	86.1	86.4	86.4	86.6	86.8	87.3	88.9
≥700	58.8	71.9	75.4	77.5	80.4	82.7	84.8	86.1	86.6	87.2	87.5	87.5	87.7	87.9	88.4	90.1
≥600	58.8	72.0	75.7	78.4	81.6	84.0	86.3	87.7	88.3	89.0	89.3	89.3	89.4	89.6	90.2	91.8
≥500	58.8	72.0	75.7	78.4	81.9	84.4	86.9	88.4	89.1	89.7	90.1	90.1	90.2	90.4	90.9	92.6
≥400	58.8	72.0	75.7	78.4	82.0	84.7	87.2	88.7	89.6	90.5	90.9	90.9	91.1	91.4	91.9	93.7
≥300	58.8	72.0	75.7	78.4	82.0	84.7	87.3	89.4	90.3	91.1	91.6	91.7	92.1	92.8	93.3	95.3
≥200	58.8	72.0	75.7	78.4	82.0	84.7	87.3	89.5	90.5	91.5	91.9	92.0	92.7	93.4	94.1	96.7
≥100	58.8	72.0	75.7	78.4	82.0	84.7	87.3	89.5	90.5	91.6	92.0	92.2	92.9	93.7	94.4	98.3
≥0	58.8	72.0	75.7	78.4	82.0	84.7	87.3	89.5	90.5	91.6	92.0	92.2	93.0	93.8	94.5	100.0

TOTAL NUMBER OF OBSERVATIONS 915



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14773

WESTOVER AFB MA

69-70,73-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

5900-1100  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	38.5	42.9	44.1	45.1	45.6	45.8	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 20000	41.9	46.7	48.0	49.0	49.8	50.1	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.6	50.6	50.8
≥ 18000	41.9	46.7	48.0	49.0	49.8	50.1	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.6	50.6	50.8
≥ 16000	41.9	46.7	48.0	49.0	49.8	50.1	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.6	50.6	50.8
≥ 14000	42.3	47.0	48.3	49.4	50.1	50.4	50.8	50.9	50.9	50.9	50.9	50.9	50.9	51.0	51.0	51.1
≥ 12000	43.9	48.6	49.9	51.1	51.8	52.2	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.7	52.7	52.8
≥ 10000	46.2	51.3	52.8	54.0	54.7	55.1	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.6	55.6	55.7
≥ 9000	47.3	52.7	54.2	55.4	56.1	56.5	56.8	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.1
≥ 8000	49.4	55.6	57.2	58.4	59.1	59.5	59.8	59.9	59.9	59.9	59.9	59.9	59.9	60.0	60.0	60.1
≥ 7000	50.6	57.1	58.7	59.9	60.8	61.1	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.8	61.9
≥ 6000	51.9	58.4	60.1	61.5	62.4	62.7	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.4	63.4	63.5
≥ 5000	52.9	59.8	61.5	62.9	63.8	64.1	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.8	64.8	64.9
≥ 4500	54.1	61.0	62.7	64.1	64.9	65.3	65.6	65.9	65.9	65.9	65.9	65.9	65.9	66.0	66.0	66.1
≥ 4000	55.8	62.9	64.6	66.0	66.9	67.2	67.5	67.8	67.8	67.8	67.8	67.8	67.8	68.0	68.0	68.1
≥ 3500	58.4	66.8	68.5	70.0	71.0	71.3	71.6	71.9	71.9	71.9	71.9	71.9	71.9	72.0	72.0	72.2
≥ 3000	60.6	69.6	71.6	73.2	74.3	74.6	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.4	75.4	75.5
≥ 2500	62.6	72.3	74.3	75.9	77.2	77.5	77.8	78.2	78.2	78.2	78.2	78.2	78.2	78.3	78.3	78.4
≥ 2000	64.7	74.9	77.0	78.6	80.0	80.5	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.4
≥ 1800	65.5	76.0	78.1	79.7	81.1	81.6	82.0	82.4	82.4	82.4	82.4	82.4	82.4	82.5	82.5	82.6
≥ 1500	66.1	77.6	80.0	81.8	83.4	84.2	84.6	84.9	84.9	84.9	84.9	84.9	84.9	85.1	85.1	85.2
≥ 1200	66.7	80.0	82.6	85.1	86.7	87.5	88.0	88.3	88.4	88.4	88.4	88.4	88.4	88.5	88.5	88.6
≥ 1000	66.7	80.8	83.4	86.2	88.0	89.0	89.5	89.9	90.0	90.1	90.1	90.1	90.1	90.2	90.2	90.3
≥ 900	66.7	80.8	83.7	86.6	88.4	89.6	90.0	90.4	90.5	90.6	90.6	90.6	90.6	90.8	90.8	90.9
≥ 800	66.7	81.2	84.5	87.5	89.7	91.0	91.4	91.9	92.0	92.2	92.2	92.2	92.2	92.3	92.3	92.4
≥ 700	66.7	81.2	84.8	88.0	90.3	91.9	92.5	93.0	93.3	93.4	93.4	93.4	93.5	93.5	93.7	93.7
≥ 600	66.9	81.7	85.4	88.8	91.6	93.2	93.8	94.3	94.6	94.7	94.7	94.7	94.8	94.8	95.1	95.1
≥ 500	66.9	81.7	85.5	88.9	92.4	94.2	94.8	95.5	95.8	95.9	95.9	95.9	95.9	96.0	96.0	96.2
≥ 400	66.9	81.7	85.5	88.9	92.7	95.2	95.8	96.8	97.2	97.4	97.5	97.5	97.5	97.6	97.7	98.0
≥ 300	66.9	81.7	85.5	88.9	92.7	95.2	95.9	97.2	97.6	98.0	98.2	98.2	98.2	98.4	98.6	98.9
≥ 200	66.9	81.7	85.5	88.9	92.7	95.2	95.9	97.2	97.6	98.0	98.2	98.2	98.2	98.4	98.7	99.5
≥ 100	66.9	81.7	85.5	88.9	92.7	95.2	95.9	97.2	97.6	98.0	98.2	98.2	98.2	98.4	98.7	99.2
≥ 0	66.9	81.7	85.5	88.9	92.7	95.2	95.9	97.2	97.6	98.0	98.2	98.2	98.2	98.4	98.7	99.2

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14723

WESTOVER AFB MA

69-70,73-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	44.7	48.4	48.7	48.9	48.9	48.9	48.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
IV 20000	48.0	52.3	52.8	53.1	53.2	53.2	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 18000	48.0	52.3	52.8	53.1	53.2	53.2	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 16000	48.0	52.3	52.8	53.1	53.2	53.2	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 14000	48.4	52.7	53.2	53.5	53.7	53.7	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 12000	49.5	53.9	54.4	54.7	54.8	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 10000	52.2	56.9	57.4	57.7	57.8	57.8	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 9000	52.8	57.5	58.1	58.4	58.5	58.5	58.5	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 8000	55.8	60.9	61.5	62.0	62.2	62.2	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 7000	57.2	62.7	63.3	63.9	64.0	64.0	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 6000	59.1	64.7	65.7	66.2	66.3	66.3	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 5000	60.5	66.2	67.2	67.8	68.0	68.0	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 4500	61.4	67.2	68.2	68.8	68.9	68.9	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 4000	64.8	70.8	71.9	72.6	72.7	72.8	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 3500	69.6	75.5	76.7	77.4	77.5	77.6	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 3000	72.8	79.1	80.3	81.2	81.4	81.5	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 2500	75.1	81.8	83.1	84.1	84.3	84.4	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 2000	76.2	83.9	85.4	86.5	86.8	87.1	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 1800	76.9	84.6	86.1	87.3	87.6	88.0	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 1500	77.7	85.8	87.4	88.8	89.1	89.6	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 1200	78.3	87.2	89.8	91.3	92.0	92.6	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 1000	78.3	88.3	90.9	92.7	93.8	94.3	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 900	78.3	88.5	91.4	93.2	94.5	95.1	95.5	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 800	78.3	88.6	91.8	93.9	95.4	96.1	96.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 700	78.3	88.8	92.0	94.1	95.6	96.5	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 600	78.3	88.8	92.2	94.2	95.7	96.8	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 500	78.3	88.8	92.2	94.3	96.0	97.1	98.1	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 400	78.3	88.8	92.2	94.4	96.1	97.2	98.3	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 300	78.3	88.8	92.2	94.4	96.1	97.3	98.4	99.0	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5
IV 200	78.3	88.8	92.2	94.4	96.1	97.3	98.4	99.1	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	78.3	88.8	92.2	94.4	96.1	97.3	98.4	99.1	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0
IV 0	78.3	88.8	92.2	94.4	96.1	97.3	98.4	99.1	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	48.3	50.2	50.4	50.6	50.8	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 18000	51.6	54.4	54.6	54.8	54.9	55.2	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 16000	51.6	54.4	54.6	54.8	54.9	55.2	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 14000	52.4	55.2	55.4	55.6	55.7	55.9	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 12000	53.5	56.6	56.8	57.0	57.1	57.3	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 10000	55.9	59.5	59.7	59.9	60.0	60.2	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 9000	57.9	61.1	61.3	61.6	61.7	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 8000	60.1	64.1	64.3	64.6	64.8	65.1	65.2	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 7000	62.8	67.1	67.4	68.0	68.2	68.4	68.5	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 6000	64.6	69.0	69.4	70.0	70.3	70.5	70.6	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 5000	67.1	71.8	72.2	72.8	73.1	73.3	73.4	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 4500	69.4	74.1	74.4	75.1	75.4	75.7	75.8	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 4000	73.1	77.8	78.2	78.8	79.1	79.5	79.6	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 3500	75.9	81.6	81.9	82.7	83.0	83.3	83.4	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3000	78.4	84.9	85.3	86.0	86.3	86.7	86.8	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2500	79.7	86.7	87.1	88.0	88.3	88.7	88.9	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 2000	80.3	87.8	88.3	89.1	89.7	90.2	90.5	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1800	80.6	88.3	88.7	89.7	90.2	90.8	91.1	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1500	81.4	89.6	90.1	91.3	92.2	92.7	93.1	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1200	81.7	90.8	91.4	92.8	94.0	94.5	94.9	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	81.7	90.9	91.6	93.5	94.8	95.4	95.8	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 900	81.7	91.1	91.8	93.8	95.1	95.6	96.0	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	81.7	91.1	91.8	93.8	95.4	96.0	96.5	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	81.7	91.2	92.1	94.0	95.8	96.5	96.9	97.4	97.6	97.7	97.7	97.7	97.7	97.8	97.8	97.8
≥ 600	81.7	91.2	92.0	94.0	95.8	96.5	96.9	97.5	97.7	97.8	97.8	97.8	97.8	98.0	98.0	98.0
≥ 500	81.7	91.2	92.0	94.1	96.0	97.0	97.4	98.2	98.4	98.6	98.6	98.6	98.6	98.7	98.8	98.8
≥ 400	81.7	91.3	92.2	94.2	96.1	97.1	97.7	98.6	98.9	99.1	99.1	99.1	99.1	99.2	99.4	99.4
≥ 300	81.7	91.3	92.2	94.2	96.1	97.1	97.7	98.7	99.0	99.2	99.2	99.2	99.2	99.4	99.5	99.5
≥ 200	81.7	91.3	92.2	94.2	96.1	97.1	97.7	98.7	99.0	99.2	99.6	99.6	99.6	99.7	99.8	99.8
≥ 100	81.7	91.3	92.2	94.2	96.1	97.1	97.7	98.7	99.0	99.2	99.6	99.6	99.6	99.9	100.0	100.0
≥ 0	81.7	91.3	92.2	94.2	96.1	97.1	97.7	98.7	99.0	99.2	99.6	99.6	99.6	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼	≥0
NO CEILING	51.1	54.5	55.5	55.5	55.6	55.7	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 20000	54.2	58.1	59.1	59.4	59.5	59.7	60.1	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 18000	54.2	58.1	59.1	59.4	59.5	59.7	60.1	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 16000	54.2	58.1	59.1	59.4	59.5	59.7	60.1	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 14000	54.7	58.6	59.7	59.9	60.0	60.2	60.6	60.6	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 12000	56.1	60.1	61.2	61.4	61.5	61.7	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 10000	58.0	62.6	63.7	63.9	64.1	64.3	64.7	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 9000	59.0	64.0	65.2	65.5	65.7	65.9	66.3	66.3	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 8000	61.3	67.0	68.2	68.5	68.7	68.9	69.7	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 7000	62.8	68.7	69.9	70.2	70.4	70.6	71.4	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 6000	65.1	71.1	72.6	73.1	73.3	73.5	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 5000	67.8	74.1	75.6	76.1	76.3	76.7	77.5	77.5	77.5	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4500	69.1	75.5	77.0	77.5	77.7	78.3	79.1	79.1	79.1	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4000	70.6	77.2	78.9	79.5	79.7	80.2	81.1	81.1	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3500	72.6	79.4	81.3	81.9	82.2	82.8	83.7	83.7	83.7	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3000	74.5	81.7	83.8	84.5	84.9	85.6	86.5	86.5	86.5	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2500	75.6	83.2	85.5	86.2	86.7	87.3	88.2	88.2	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 2000	76.3	84.5	86.8	87.6	88.3	89.1	90.0	90.0	90.1	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1800	76.8	85.2	87.7	88.8	89.5	90.3	91.2	91.2	91.3	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1500	77.1	86.6	89.1	90.5	91.3	92.2	93.0	93.0	93.1	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1200	77.7	88.0	90.6	92.3	93.1	94.0	94.8	94.8	94.9	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1000	77.7	88.3	91.1	92.7	94.0	94.9	95.8	95.8	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 900	77.7	88.4	91.2	92.9	94.3	95.3	96.1	96.1	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 800	77.7	88.5	91.3	93.0	94.6	95.6	96.5	96.5	96.6	96.9	97.2	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	77.7	88.6	91.4	93.2	94.8	96.0	96.9	97.2	97.3	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600	77.7	88.6	91.4	93.2	95.4	96.7	97.5	97.8	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	77.7	88.6	91.6	93.4	95.6	97.1	98.1	98.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	77.7	88.6	91.6	93.5	95.7	97.3	98.3	98.7	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	77.7	88.6	91.6	93.5	95.7	97.3	98.3	98.7	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	77.7	88.6	91.6	93.5	95.7	97.3	98.5	98.9	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	77.7	88.6	91.6	93.5	95.7	97.3	98.5	98.9	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	77.7	88.6	91.6	93.5	95.7	97.3	98.5	98.9	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

14783

WESTOVER AFB MA

69-70,73-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	51.3	56.1	56.8	57.1	58.0	58.2	58.6	58.6	58.8	59.0	59.0	59.0	59.0	59.0	59.1	59.3
≥ 20000	54.4	60.1	60.8	61.2	62.1	62.3	62.7	62.7	62.9	63.4	63.4	63.4	63.4	63.4	63.5	63.7
≥ 18000	54.4	60.1	60.8	61.2	62.1	62.3	62.7	62.7	62.9	63.4	63.4	63.4	63.4	63.4	63.5	63.7
≥ 16000	54.4	60.1	60.8	61.2	62.1	62.3	62.7	62.7	62.9	63.4	63.4	63.4	63.4	63.4	63.5	63.7
≥ 14000	55.2	60.8	61.6	61.9	62.9	63.1	63.5	63.5	63.7	64.2	64.2	64.2	64.2	64.2	64.3	64.5
≥ 12000	56.0	61.6	62.4	62.7	63.7	63.8	64.3	64.3	64.5	64.9	64.9	64.9	64.9	64.9	65.1	65.3
≥ 10000	57.4	63.2	64.0	64.3	65.3	65.4	65.9	65.9	66.0	66.5	66.5	66.5	66.5	66.5	66.7	66.8
≥ 9000	58.0	63.8	64.6	65.1	66.0	66.2	66.7	66.7	66.8	67.3	67.3	67.3	67.3	67.3	67.5	67.6
≥ 8000	59.4	65.9	66.7	67.1	68.1	68.4	68.9	68.9	69.0	69.5	69.5	69.5	69.5	69.5	69.7	70.0
≥ 7000	61.2	68.2	69.0	69.5	70.4	70.8	71.2	71.2	71.4	72.0	72.0	72.0	72.0	72.0	72.2	72.5
≥ 6000	62.3	69.7	71.9	71.4	72.5	72.8	73.3	73.3	73.4	74.1	74.1	74.1	74.1	74.1	74.2	74.5
≥ 5000	63.7	71.5	72.8	73.3	74.4	74.7	75.2	75.2	75.5	76.1	76.3	76.3	76.3	76.3	76.4	76.7
≥ 4500	65.4	73.4	74.7	75.2	76.3	76.6	77.0	77.0	77.4	78.0	78.1	78.1	78.1	78.1	78.3	78.6
≥ 4000	67.1	75.2	76.6	77.0	78.1	78.6	79.2	79.2	79.6	80.2	80.3	80.3	80.3	80.3	80.5	80.8
≥ 3500	68.6	77.4	79.2	79.7	81.0	81.4	82.1	82.1	82.4	83.0	83.2	83.2	83.2	83.2	83.3	83.6
≥ 3000	69.0	77.8	79.9	80.5	81.8	82.2	82.9	82.9	83.2	83.8	84.1	84.0	84.0	84.0	84.1	84.4
≥ 2500	71.2	80.2	82.4	83.2	84.4	84.9	85.5	85.5	85.8	86.5	86.6	86.6	86.6	86.6	86.8	87.1
≥ 2000	72.0	81.8	84.0	84.7	86.2	86.6	87.3	87.3	87.7	88.4	88.5	88.5	88.5	88.5	88.7	89.0
≥ 1800	72.0	82.2	84.4	85.2	86.6	87.1	87.7	87.7	88.2	88.8	89.0	89.0	89.0	89.0	89.2	89.5
≥ 1500	72.3	83.5	86.3	87.1	88.5	89.0	89.6	89.6	90.1	90.7	90.9	90.9	90.9	90.9	91.0	91.4
≥ 1200	73.6	85.4	88.7	89.5	91.0	91.5	92.1	92.1	92.6	93.2	93.4	93.4	93.4	93.4	93.6	93.9
≥ 1000	73.6	86.0	89.5	90.3	92.3	92.8	93.4	93.4	93.9	94.5	94.7	94.7	94.7	94.7	94.8	95.1
≥ 900	73.6	86.2	89.6	90.4	92.5	92.9	93.6	93.6	94.0	94.7	94.8	94.8	94.8	94.8	95.0	95.7
≥ 800	73.6	86.6	90.3	91.2	93.2	93.7	94.3	94.3	94.8	95.4	95.6	95.6	95.6	95.6	95.8	96.1
≥ 700	73.6	86.8	90.6	91.5	94.0	94.5	95.4	95.8	96.2	96.9	97.0	97.0	97.0	97.0	97.2	97.5
≥ 600	73.6	86.8	90.6	91.7	94.3	94.8	95.9	96.4	96.9	97.5	97.6	97.6	97.6	97.6	97.8	98.1
≥ 500	73.6	86.9	90.7	91.8	95.0	95.4	96.7	97.2	97.6	98.3	98.4	98.4	98.4	98.4	98.6	98.9
≥ 400	73.6	86.9	90.9	92.0	95.1	95.6	96.9	97.3	97.8	98.4	98.6	98.6	98.6	98.6	98.7	99.1
≥ 300	73.6	86.9	90.9	92.3	95.4	95.9	97.2	97.6	98.1	98.9	99.1	99.1	99.1	99.2	99.4	99.7
≥ 200	73.6	86.9	90.9	92.3	95.4	95.9	97.2	97.6	98.1	98.9	99.1	99.1	99.1	99.2	99.4	99.8
≥ 100	73.6	86.9	90.9	92.3	95.4	95.9	97.2	97.6	98.1	98.9	99.1	99.1	99.1	99.2	99.4	99.8
≥ 0	73.6	86.9	90.9	92.3	95.4	95.9	97.2	97.6	98.1	98.9	99.1	99.1	99.1	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 936



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

OCT  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	45.3	49.3	50.0	50.4	50.9	51.0	51.3	51.6	51.6	51.7	51.8	51.8	51.9	51.9	52.1	52.3
≥ 20000	48.4	53.0	53.8	54.2	54.8	55.0	55.3	55.6	55.7	55.8	55.9	55.9	56.0	56.0	56.2	56.5
≥ 18000	48.4	53.0	53.8	54.3	54.8	55.0	55.3	55.6	55.7	55.8	55.9	55.9	56.0	56.0	56.3	56.5
≥ 16000	48.4	53.0	53.8	54.3	54.8	55.0	55.3	55.6	55.7	55.8	55.9	55.9	56.0	56.0	56.3	56.5
≥ 14000	48.9	53.5	54.3	54.7	55.3	55.5	55.8	56.1	56.2	56.3	56.4	56.4	56.5	56.5	56.7	57.0
≥ 12000	49.9	54.6	55.4	55.9	56.5	56.7	56.9	57.3	57.3	57.5	57.5	57.6	57.7	57.7	57.9	58.2
≥ 10000	51.9	57.1	57.9	58.5	59.1	59.3	59.7	60.0	60.0	60.2	60.2	60.3	60.4	60.4	60.6	60.9
≥ 9000	52.7	58.0	58.9	59.5	60.1	60.3	60.6	61.0	61.0	61.2	61.2	61.2	61.3	61.4	61.6	61.9
≥ 8000	54.7	60.6	61.5	62.2	62.8	63.0	63.5	63.9	63.9	64.1	64.2	64.2	64.3	64.3	64.5	64.8
≥ 7000	56.4	62.7	63.7	64.3	65.0	65.3	65.7	66.2	66.2	66.4	66.5	66.5	66.6	66.6	66.8	67.1
≥ 6000	57.8	64.4	65.5	66.3	67.0	67.3	67.7	68.1	68.2	68.4	68.4	68.5	68.6	68.6	68.8	69.1
≥ 5000	59.5	66.2	67.4	68.2	68.9	69.2	69.7	70.1	70.2	70.4	70.5	70.5	70.6	70.6	70.9	71.1
≥ 4500	60.6	67.4	68.6	69.4	70.1	70.5	71.0	71.4	71.5	71.7	71.8	71.8	71.9	71.9	72.1	72.4
≥ 4000	62.6	69.7	70.9	71.7	72.5	72.9	73.4	73.8	73.9	74.1	74.2	74.2	74.3	74.3	74.6	74.9
≥ 3500	64.9	72.5	73.8	74.7	75.5	75.9	76.4	76.8	76.9	77.1	77.2	77.2	77.3	77.4	77.6	77.9
≥ 3000	66.9	75.0	76.5	77.4	78.3	78.7	79.2	79.6	79.7	79.9	80.0	80.0	80.1	80.2	80.4	80.7
≥ 2500	68.6	77.4	79.1	80.0	81.0	81.4	82.0	82.4	82.6	82.7	82.8	82.8	83.0	83.0	83.2	83.5
≥ 2000	69.8	79.2	80.9	81.9	83.0	83.5	84.2	84.7	84.8	85.0	85.1	85.1	85.2	85.3	85.5	85.8
≥ 1800	70.3	79.9	81.7	82.8	83.9	84.4	85.1	85.5	85.7	85.9	86.0	86.0	86.1	86.1	86.4	86.7
≥ 1500	70.8	81.2	83.2	84.5	85.7	86.3	87.1	87.5	87.7	87.9	88.0	88.0	88.1	88.1	88.4	88.7
≥ 1200	71.4	82.9	85.3	86.9	88.3	89.0	89.8	90.3	90.5	90.7	90.8	90.8	90.9	90.9	91.2	91.5
≥ 1000	71.5	83.6	86.1	88.0	89.6	90.5	91.4	91.9	92.1	92.3	92.4	92.4	92.5	92.6	92.8	93.1
≥ 900	71.5	83.8	86.4	88.3	90.0	90.9	91.8	92.3	92.5	92.8	92.9	92.9	93.0	93.0	93.3	93.6
≥ 800	71.6	84.0	86.6	88.6	90.8	91.8	92.8	93.4	93.6	93.9	94.0	94.0	94.1	94.2	94.4	94.8
≥ 700	71.6	84.1	87.0	89.1	91.2	92.3	93.3	94.1	94.3	94.6	94.7	94.8	94.9	94.9	95.2	95.5
≥ 600	71.6	84.2	87.2	89.4	91.7	92.9	94.0	94.8	95.1	95.4	95.5	95.5	95.6	95.7	95.9	96.3
≥ 500	71.6	84.2	87.2	89.5	92.1	93.5	94.7	95.5	95.9	96.2	96.3	96.3	96.5	96.5	96.8	97.2
≥ 400	71.6	84.2	87.3	89.6	92.2	93.8	95.1	96.0	96.4	96.8	97.0	97.0	97.1	97.2	97.5	97.9
≥ 300	71.6	84.2	87.3	89.6	92.2	93.8	95.1	96.3	96.7	97.1	97.3	97.4	97.6	97.8	98.1	98.5
≥ 200	71.6	84.2	87.3	89.6	92.3	93.8	95.2	96.4	96.8	97.3	97.6	97.6	97.9	98.1	98.5	99.1
≥ 100	71.6	84.2	87.3	89.6	92.3	93.8	95.2	96.4	96.8	97.3	97.6	97.7	98.0	98.2	98.6	99.6
≥ 0	71.6	84.2	87.3	89.6	92.3	93.8	95.2	96.4	96.8	97.3	97.6	97.7	98.0	98.3	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 6200



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

14733  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-75  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	34.9	38.2	38.2	38.2	38.4	38.4	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.9	39.1	40.4
≥ 20000	38.0	41.6	41.6	41.6	41.8	41.8	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.2	42.4	43.8
≥ 18000	38.0	41.6	41.6	41.6	41.8	41.8	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.2	42.4	43.8
≥ 16000	38.0	41.6	41.6	41.6	41.8	41.8	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.2	42.4	43.8
≥ 14000	38.4	42.0	42.0	42.0	42.2	42.2	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.7	42.9	44.2
≥ 12000	41.1	44.9	44.9	44.9	45.1	45.1	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.6	45.8	47.1
≥ 10000	42.0	45.8	45.8	45.8	46.0	46.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.4	46.7	48.0
≥ 9000	43.3	48.7	48.7	48.7	48.9	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.3	49.6	51.1
≥ 8000	44.9	50.4	50.4	50.4	50.7	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	51.1	51.3	52.9
≥ 7000	47.3	52.9	52.9	52.9	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.6	53.8	55.3
≥ 6000	50.9	57.3	57.3	57.3	57.6	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	58.0	58.2	59.8
≥ 5000	53.6	60.7	60.7	60.7	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.8	62.0	63.6
≥ 4500	55.1	62.7	62.7	62.7	63.3	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.8	64.0	65.6
≥ 4000	56.9	64.9	65.1	65.3	66.0	66.0	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.1	67.3	68.9
≥ 3500	60.2	69.8	70.0	70.2	70.9	70.9	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.2	72.4	74.0
≥ 3000	62.7	73.1	73.3	73.6	74.2	74.2	75.1	75.1	75.3	75.3	75.3	75.3	75.3	75.6	75.8	77.3
≥ 2500	64.0	75.1	75.3	75.6	76.2	76.2	77.1	77.1	77.3	77.3	77.3	77.3	77.3	77.6	77.8	79.3
≥ 2000	65.6	76.9	77.1	77.6	78.2	78.2	79.1	79.1	79.3	79.3	79.3	79.3	79.3	79.6	79.8	81.3
≥ 1800	67.1	78.4	78.9	79.3	80.0	80.0	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.3	81.6	83.1
≥ 1500	68.2	80.2	81.1	81.8	82.4	82.4	83.3	83.3	83.6	83.6	83.6	83.6	83.6	83.8	84.0	85.6
≥ 1200	69.1	82.2	83.1	83.8	84.9	84.9	86.2	86.2	86.7	86.7	86.7	86.7	86.7	86.9	87.1	88.7
≥ 1000	69.3	82.9	83.8	84.7	85.8	85.8	87.1	87.1	87.6	87.6	87.6	87.6	87.6	87.8	88.0	89.6
≥ 900	69.6	84.0	85.1	86.4	87.6	87.6	89.1	89.1	89.6	89.6	89.6	89.6	89.6	89.8	90.0	91.6
≥ 800	70.2	84.9	86.0	87.6	88.7	88.7	90.4	90.4	90.9	90.9	90.9	90.9	90.9	91.1	91.3	92.9
≥ 700	70.2	85.1	86.2	88.2	89.8	89.8	91.8	91.8	92.2	92.2	92.2	92.2	92.2	92.4	92.7	94.2
≥ 600	70.2	85.3	86.4	88.4	90.0	90.4	92.4	92.7	93.6	93.6	93.6	93.6	93.6	93.8	94.0	95.6
≥ 500	70.2	85.3	86.4	88.4	90.0	90.4	92.7	93.1	94.0	94.2	94.2	94.2	94.2	94.4	94.7	96.2
≥ 400	70.2	85.6	87.1	89.1	91.1	91.6	93.8	94.4	95.8	96.0	96.0	96.0	96.0	96.2	96.4	98.0
≥ 300	70.2	85.6	87.1	89.3	91.6	92.4	94.9	95.6	96.9	97.1	97.1	97.1	97.1	97.6	97.8	99.8
≥ 200	70.2	85.6	87.1	89.3	91.8	92.7	95.1	95.8	97.1	97.3	97.3	97.3	97.3	97.8	98.0	100.0
≥ 100	70.2	85.6	87.1	89.3	91.8	92.7	95.1	95.8	97.1	97.3	97.3	97.3	97.3	97.8	98.0	100.0
≥ 0	70.2	85.6	87.1	89.3	91.8	92.7	95.1	95.8	97.1	97.3	97.3	97.3	97.3	97.8	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 450

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-75  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	34.0	39.8	39.8	39.8	40.4	40.4	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.6	41.8
≥ 20000	35.3	41.8	41.8	41.8	42.4	42.4	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.6	44.4
≥ 18000	35.3	41.8	41.8	41.8	42.4	42.4	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.6	44.4
≥ 16000	35.3	41.8	41.8	41.8	42.4	42.4	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.6	44.4
≥ 14000	36.0	42.4	42.4	42.4	43.1	43.1	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	44.2	45.1
≥ 12000	37.1	43.8	43.8	43.8	44.4	44.4	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.6	46.4
≥ 10000	37.8	44.2	44.2	44.2	44.9	44.9	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	46.0	46.9
≥ 9000	38.2	45.6	45.6	45.6	46.2	46.2	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	47.3	48.2
≥ 8000	38.9	46.7	46.7	46.7	47.3	47.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.4	49.6
≥ 7000	40.4	48.9	48.9	48.9	49.6	49.6	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.7	51.8
≥ 6000	42.0	51.1	51.1	51.1	52.0	52.0	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.3	54.4
≥ 5000	46.0	55.8	56.2	56.2	56.9	56.9	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	58.2	59.3
≥ 4500	46.4	56.2	56.7	56.7	57.3	57.3	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.7	59.8
≥ 4000	49.6	59.6	60.0	60.0	60.7	60.7	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	62.0	63.1
≥ 3500	52.4	63.1	63.6	64.0	64.9	64.9	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.4	67.6
≥ 3000	54.4	67.1	68.2	68.7	69.6	69.6	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	71.1	72.2
≥ 2500	56.7	70.0	71.1	71.6	72.4	72.4	73.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	74.0	75.1
≥ 2000	58.7	73.3	74.7	75.1	76.0	76.2	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.8	78.9
≥ 1800	59.6	74.2	75.6	76.0	76.9	77.1	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.7	79.6
≥ 1500	59.8	75.3	76.7	77.1	78.0	78.2	79.1	79.6	79.6	79.6	79.6	79.6	79.6	79.6	80.0	81.1
≥ 1200	62.2	79.1	80.7	81.3	82.7	82.9	84.0	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.9	86.0
≥ 1000	62.9	80.2	81.8	82.4	84.1	84.2	85.3	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.2	87.3
≥ 900	62.9	81.1	82.7	83.3	84.9	85.1	86.2	86.7	86.7	86.7	86.7	86.7	86.7	86.7	87.1	88.2
≥ 800	62.9	82.0	84.2	85.3	86.9	87.1	88.2	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.1	90.7
≥ 700	62.9	82.9	85.6	86.7	88.2	88.4	89.6	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.7	92.2
≥ 600	62.9	83.3	86.2	87.8	89.3	89.6	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.4	94.0
≥ 500	62.9	83.3	86.2	87.8	89.3	89.6	91.3	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.9	94.4
≥ 400	62.9	83.3	86.7	88.9	91.1	91.3	93.1	94.7	94.9	94.9	94.9	95.1	95.1	95.1	95.6	97.1
≥ 300	62.9	83.3	86.7	89.1	91.6	92.0	93.8	95.3	95.6	95.6	95.6	95.8	95.8	95.8	96.2	98.4
≥ 200	62.9	83.3	86.7	89.1	91.6	92.2	94.2	95.8	96.0	96.0	96.0	96.2	96.2	96.2	96.7	99.1
≥ 100	62.9	83.3	86.7	89.1	91.6	92.2	94.2	95.8	96.0	96.2	96.4	96.4	96.4	96.4	96.9	99.3
≥ 0	62.9	83.3	86.7	89.1	91.6	92.2	94.2	95.8	96.0	96.2	96.4	96.4	96.4	96.4	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS 450



## CEILING VERSUS VISIBILITY

1-773

WESTOVER AFB MA

69-70, 73-80

USE WITH CAUTION  
SEE FIRST PAGE

NOV

STATION

STATION NAME

**YEARS**

**MONTH**

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0630-0870  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	34.2 37.4	38.5 42.2	38.7 42.6	39.1 43.0	39.3 43.1	39.4 43.3	39.4 43.3	39.7 43.5	40.1 43.9	40.1 43.9	40.2 44.1	40.2 44.1	40.3 44.2	40.3 44.2	40.3 44.5	40.5 44.9
≥ 18000 ≥ 16000	37.7 37.8	42.5 42.6	42.9 43.0	43.3 43.4	43.4 43.5	43.5 43.7	43.5 43.7	43.8 43.9	44.2 44.3	44.2 44.3	44.3 44.5	44.3 44.5	44.5 44.6	44.5 44.6	44.7 44.9	45.1 45.3
≥ 14000 ≥ 12000	38.3 39.5	43.4 44.7	43.8 45.1	44.2 45.5	44.3 45.7	44.5 45.8	44.5 45.8	44.7 46.1	45.1 46.5	45.1 46.5	45.3 46.6	45.3 46.6	45.4 46.7	45.4 46.7	45.7 47.0	46.1 47.4
≥ 10000 ≥ 9000	41.5 41.8	47.8 48.3	48.2 48.7	48.6 49.1	48.7 49.3	48.9 49.4	48.9 49.4	49.1 49.7	49.5 50.1	49.5 50.1	49.7 50.2	49.7 50.2	49.8 50.3	49.8 50.3	50.1 50.6	50.5 51.0
≥ 8000 ≥ 7000	43.9 44.6	51.4 52.5	51.9 53.4	52.3 53.8	52.6 54.7	52.7 54.9	52.7 54.9	53.0 55.1	53.4 55.5	53.4 55.5	53.5 55.7	53.5 55.7	53.7 55.8	53.7 55.8	53.9 56.1	54.3 56.5
≥ 6000 ≥ 5000	45.5 47.1	53.5 55.7	54.5 56.6	54.9 57.0	55.8 58.1	56.1 58.3	56.1 58.3	56.3 58.6	56.7 59.0	56.7 59.0	56.9 59.1	56.9 59.1	57.0 59.3	57.0 59.3	57.3 59.5	57.7 59.9
≥ 4500 ≥ 4000	48.5 50.9	57.3 60.2	58.2 61.1	58.7 61.9	59.9 63.1	60.5 63.6	60.5 63.8	60.7 64.2	61.1 64.6	61.1 64.6	61.4 64.8	61.4 64.8	61.5 65.0	61.5 65.0	61.8 65.2	62.2 65.6
≥ 3500 ≥ 3000	53.3 55.1	63.5 66.6	64.4 67.6	65.2 68.6	66.4 70.0	67.0 70.6	67.2 71.0	67.8 71.5	68.2 71.9	68.2 71.9	68.4 72.3	68.4 72.3	68.6 72.4	68.6 72.4	68.8 72.7	69.2 73.1
≥ 2500 ≥ 2000	56.1 58.1	68.0 71.2	69.1 72.4	70.2 73.5	71.8 75.2	72.3 75.9	72.7 76.3	73.2 76.8	73.6 77.2	73.6 77.2	74.0 77.6	74.0 77.6	74.2 77.8	74.2 77.8	74.4 78.0	74.8 78.4
≥ 1800 ≥ 1500	58.5 59.8	71.8 74.3	73.0 75.5	74.2 76.7	75.9 78.4	76.6 79.1	77.0 79.5	77.5 80.0	77.9 80.4	77.9 80.4	78.3 80.8	78.3 80.8	78.4 81.0	78.4 81.0	78.7 81.2	79.1 81.6
≥ 1200 ≥ 1000	60.6 60.7	77.6 78.4	79.1 80.0	80.6 81.6	83.0 84.3	83.6 85.0	84.2 85.8	84.8 86.4	85.2 86.8	85.2 86.8	85.6 87.2	85.6 87.2	85.8 87.4	85.8 87.4	86.0 87.6	86.4 88.0
≥ 900 ≥ 800	60.7 60.7	79.0 79.1	80.7 81.4	82.4 83.8	85.1 86.7	85.8 87.6	86.6 88.4	87.2 89.1	87.6 89.5	87.6 89.5	88.0 90.0	88.0 90.0	88.3 90.3	88.3 90.3	88.5 90.5	88.9 90.9
≥ 700 ≥ 600	60.7 60.7	79.5 79.9	81.9 82.3	84.6 85.1	87.6 88.4	88.9 89.9	90.1 91.2	91.1 92.3	91.5 92.7	91.5 92.9	91.7 93.3	91.7 93.3	92.1 93.6	92.1 93.9	92.7 94.1	93.1 94.5
≥ 500 ≥ 400	60.7 60.7	80.2 80.2	82.6 82.6	85.5 85.5	89.2 89.2	90.7 90.7	92.0 92.0	93.3 93.3	93.7 94.0	93.7 94.0	94.4 94.4	94.4 94.7	94.9 94.9	94.9 94.9	95.2 95.2	95.6 95.6
≥ 300 ≥ 200	60.7 60.7	80.2 80.2	82.6 82.6	85.8 85.8	89.5 89.5	90.9 90.9	92.3 92.5	93.9 94.3	94.4 94.8	94.7 95.1	95.2 95.6	95.5 96.0	96.0 96.5	96.0 96.5	96.4 96.9	97.2 97.9
≥ 100 0	60.7 60.7	80.2 80.2	82.6 82.6	85.8 85.8	89.5 89.5	90.9 90.9	92.5 92.5	94.3 94.3	94.9 94.9	95.3 95.3	95.9 95.9	96.3 96.3	96.8 96.8	96.8 96.8	97.3 97.3	98.9 100.0

TOTAL NUMBER OF OBSERVATIONS 751



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	33.1	37.3	37.7	38.1	38.2	38.3	38.3	38.4	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.0
≥ 20000	38.2	43.9	44.2	44.9	45.0	45.2	45.2	45.3	45.6	45.6	45.6	45.6	45.6	45.6	45.6	46.1
IV 18000	38.4	44.1	44.4	45.1	45.2	45.4	45.4	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	46.3
IV 16000	38.6	44.2	44.6	45.2	45.3	45.6	45.6	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	46.4
IV 14000	38.7	44.4	44.8	45.4	45.6	45.8	45.8	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.7
IV 12000	39.8	45.8	46.2	46.9	47.3	47.6	47.6	47.7	47.9	47.9	47.9	47.9	47.9	47.9	47.9	48.4
IV 10000	42.3	48.8	49.6	50.3	50.9	51.1	51.1	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	52.0
IV 9000	43.0	49.7	50.6	51.3	51.9	52.1	52.1	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	53.0
IV 8000	45.2	52.9	53.8	54.6	55.1	55.3	55.3	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	56.2
IV 7000	47.1	55.7	56.6	57.3	57.9	58.1	58.1	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	59.0
IV 6000	47.7	56.4	57.3	58.1	58.7	58.9	58.9	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.8
IV 5000	48.4	57.6	58.4	59.2	59.9	60.1	60.1	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	61.0
IV 4500	50.0	59.6	60.4	61.2	62.1	62.4	62.4	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	63.3
IV 4000	53.2	63.3	64.4	65.2	66.2	66.6	66.6	66.9	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.8
IV 3500	56.6	66.8	68.0	68.9	69.9	70.4	71.0	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	72.0
IV 3000	58.6	69.3	70.7	71.6	72.6	73.1	73.7	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.7
IV 2500	60.8	72.6	74.2	75.2	76.2	76.8	77.3	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	78.3
IV 2000	62.2	74.6	76.4	77.6	78.6	79.1	79.7	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.8
IV 1800	62.9	75.9	77.7	78.8	79.9	80.4	81.0	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	82.1
IV 1500	64.9	78.3	80.3	81.6	82.7	83.2	83.8	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.9
IV 1200	65.8	81.3	83.9	85.6	86.9	87.6	88.1	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	89.3
IV 1000	65.9	82.3	85.3	87.2	88.9	89.6	90.1	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.3
IV 900	65.9	82.8	85.9	87.8	90.0	90.7	91.2	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.4
IV 800	66.1	83.7	87.0	89.4	91.8	92.6	93.1	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	94.3
IV 700	66.1	84.0	87.4	90.3	92.9	94.1	94.8	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	96.0
IV 600	66.1	84.0	87.6	90.7	93.2	94.4	95.2	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.7
IV 500	66.1	84.1	87.8	91.0	93.7	94.9	95.8	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	97.4
IV 400	66.1	84.1	87.8	91.0	93.7	95.0	96.0	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.7
IV 300	66.1	84.1	87.8	91.0	93.7	95.0	96.0	97.0	97.2	97.4	97.4	97.4	97.4	97.4	97.4	98.4
IV 200	66.1	84.1	87.8	91.0	93.7	95.0	96.0	97.2	97.4	97.7	97.7	97.7	97.7	97.7	97.7	98.4
IV 100	66.1	84.1	87.8	91.0	93.7	95.0	96.0	97.2	97.6	97.8	97.8	97.8	97.8	97.8	97.8	99.9
IV 0	66.1	84.1	87.8	91.0	93.7	95.0	96.0	97.2	97.6	97.8	97.8	97.8	97.8	97.8	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	36.2	38.9	39.1	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 20000	42.6	46.1	46.3	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 18000	42.8	46.3	46.6	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 16000	43.0	46.6	46.8	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 14000	43.8	48.0	48.2	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 12000	45.7	50.8	51.0	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 10000	48.0	53.7	54.0	54.4	54.7	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 9000	48.4	54.2	54.6	55.0	55.2	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 8000	50.6	56.4	56.9	57.3	57.6	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 7000	52.0	58.2	58.7	59.1	59.3	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 6000	52.8	59.2	59.7	60.1	60.3	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 5000	54.3	61.0	61.6	62.2	62.4	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 4500	55.8	62.7	63.2	63.9	64.1	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 4000	60.3	67.8	68.4	69.2	69.4	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 3500	65.2	73.2	74.0	74.8	75.0	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3000	68.8	77.1	77.9	78.7	78.9	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 2500	70.8	80.6	81.7	82.6	82.8	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 2000	73.6	84.4	85.6	86.6	86.8	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 1800	74.1	85.3	86.6	87.6	87.8	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1500	75.0	87.1	88.3	89.3	89.6	89.7	89.8	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1200	76.2	88.8	90.2	91.3	91.8	92.1	92.6	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1000	76.3	89.7	92.1	93.3	94.1	94.7	95.4	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9
≥ 900	76.4	89.8	92.3	93.6	94.4	95.1	95.9	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3
≥ 800	76.9	90.6	93.1	94.6	95.4	96.2	97.2	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
≥ 700	76.9	90.6	93.3	94.9	95.8	96.8	97.9	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	76.9	90.6	93.3	95.0	95.9	96.9	98.2	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	76.9	90.6	93.4	95.1	96.1	97.1	98.4	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	76.9	90.6	93.4	95.1	96.2	97.3	98.7	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	76.9	90.6	93.4	95.1	96.2	97.3	98.7	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	76.9	90.6	93.4	95.1	96.2	97.3	98.7	99.2	99.3	99.3	99.4	99.6	99.6	99.7	99.7	99.8
≥ 100	76.9	90.6	93.4	95.1	96.2	97.3	98.7	99.2	99.3	99.4	99.6	99.7	99.8	99.8	99.9	100.0
0	76.9	90.6	93.4	95.1	96.2	97.3	98.7	99.2	99.3	99.4	99.6	99.7	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	37.8 42.3	40.7 45.6	40.7 45.7	40.7 45.7	40.7 45.7	40.7 45.7	40.7 45.7	40.7 45.7	40.7 45.7	40.8 45.8	40.8 45.8	40.8 45.8	40.8 45.8	40.8 45.8	40.8 45.8	40.8 45.8
IV 18000 N 16000	42.3 42.3	45.8 45.8	45.9 45.9	45.9 45.9	45.9 45.9	45.9 45.9	45.9 45.9	45.9 45.9	45.9 45.9	46.0 46.0	46.0 46.0	46.0 46.0	46.0 46.0	46.0 46.0	46.0 46.0	46.0 46.0
IV 14000 N 12000	43.0 46.6	46.4 50.1	46.6 50.2	46.6 50.2	46.6 50.2	46.6 50.2	46.6 50.2	46.6 50.2	46.6 50.2	46.7 50.3	46.7 50.3	46.7 50.3	46.7 50.3	46.7 50.3	46.7 50.3	46.7 50.3
IV 10000 N 9000	49.2 49.6	53.2 54.1	53.4 54.3	53.4 54.3	53.4 54.3	53.4 54.3	53.4 54.3	53.4 54.3	53.4 54.3	53.6 54.4	53.6 54.4	53.6 54.4	53.6 54.4	53.6 54.4	53.6 54.4	53.6 54.4
IV 8000 N 7000	52.1 52.9	57.1 58.4	57.3 58.7	57.3 58.7	57.3 58.7	57.3 58.7	57.3 58.7	57.3 58.7	57.3 58.7	57.4 58.8	57.4 58.8	57.4 58.8	57.4 58.8	57.4 58.8	57.4 58.8	57.4 58.8
IV 6000 N 5000	53.6 55.7	59.6 62.6	59.8 62.9	59.8 62.9	59.8 62.9	59.8 62.9	59.8 62.9	59.8 62.9	59.8 62.9	59.9 63.0	59.9 63.0	59.9 63.0	59.9 63.0	59.9 63.0	59.9 63.0	59.9 63.0
IV 4500 N 4000	53.2 62.8	65.3 72.1	65.7 70.4	65.7 70.4	65.7 70.6	65.7 70.6	65.7 70.6	65.7 70.6	65.7 70.6	65.8 70.7	65.8 70.7	65.8 70.7	65.8 70.7	65.8 70.7	65.8 70.7	65.8 70.7
IV 3500 N 3000	67.0 71.0	75.0 79.9	75.4 80.4	75.4 80.6	75.6 80.7	75.6 80.7	75.6 80.8	75.6 80.8	75.6 80.9	75.7 81.0	75.7 81.0	75.7 81.0	75.7 81.0	75.7 81.0	75.7 81.0	75.7 81.0
IV 2500 N 2000	72.7 74.4	82.6 85.6	83.3 86.6	83.6 86.9	83.7 87.2	83.7 87.2	83.8 87.4	83.8 87.4	83.9 87.6	84.0 87.7	84.0 87.7	84.0 87.7	84.0 87.7	84.0 87.7	84.0 87.7	84.0 87.7
IV 1800 N 1500	74.7 75.7	85.8 87.0	86.8 89.2	87.1 88.7	87.6 89.3	87.7 89.6	87.9 89.9	88.1 90.1	88.2 90.2	88.3 90.3	88.3 90.3	88.3 90.3	88.3 90.3	88.3 90.3	88.3 90.3	88.3 90.3
IV 1200 N 1000	75.8 75.8	89.7 89.8	90.6 91.4	91.2 92.2	92.1 93.2	92.7 93.8	93.6 94.7	94.1 95.2	94.2 95.4	94.3 95.6	94.3 95.6	94.3 95.6	94.3 95.7	94.3 95.7	94.3 95.7	94.3 95.7
IV 900 N 800	76.7 76.0	90.1 90.6	91.8 92.3	92.6 93.3	93.8 94.7	94.3 95.2	95.2 96.1	95.8 96.9	96.0 97.1	96.1 97.3	96.1 97.3	96.1 97.3	96.2 97.4	96.2 97.4	96.2 97.4	96.2 97.4
IV 700 N 600	76.0 76.0	90.6 90.6	92.7 92.7	93.7 93.7	95.0 95.0	95.6 95.6	96.4 96.4	97.4 97.4	97.7 97.7	97.9 97.9	97.9 97.9	97.9 97.9	98.0 98.0	98.0 98.0	98.0 98.0	98.0 98.0
IV 500 N 400	76.1 76.1	90.9 90.9	92.8 92.8	93.9 94.0	95.3 95.7	96.0 96.3	96.9 97.2	97.9 98.3	98.1 98.6	98.6 99.0	98.6 99.1	98.6 99.1	98.7 99.2	98.7 99.2	98.7 99.2	98.7 99.2
IV 300 N 200	76.1 76.1	90.9 90.9	92.8 92.8	94.0 94.0	95.7 95.7	96.3 96.3	97.2 97.2	98.6 98.6	98.9 98.9	99.3 99.3	99.4 99.4	99.4 99.4	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6
IV 100 N 0	76.1 76.1	90.9 90.9	92.8 92.8	94.0 94.0	95.7 95.7	96.3 96.3	97.2 97.2	98.6 98.6	98.9 98.9	99.3 99.3	99.6 99.6	99.6 99.6	99.7 99.7	99.7 99.7	99.8 99.8	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703

WFOSTOVER AFB MA

69-70,73-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	40.2	43.0	43.4	43.7	43.7	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.9	43.9
≥ 20000	43.0	46.0	46.4	46.7	46.7	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.9	46.9
IV 18000	43.0	46.0	46.4	46.7	46.7	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.9	46.9
IV 16000	43.0	46.0	46.4	46.7	46.7	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.9	46.9
IV 14000	43.2	46.2	46.7	46.9	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.1	47.1	47.1
IV 12000	45.0	48.1	48.6	48.8	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.0	49.0	49.0
IV 10000	48.0	51.3	51.8	52.0	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.2	52.2	52.2
IV 9000	49.3	52.9	53.3	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.8	53.8	53.8
IV 8000	51.6	55.8	56.2	56.4	56.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7
IV 7000	54.0	58.8	59.2	59.4	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.7
IV 6000	55.1	60.2	60.7	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.1	61.1
IV 5000	58.3	64.0	64.6	64.8	64.8	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.1
IV 4500	61.1	66.9	67.6	67.8	67.8	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.1
IV 4000	64.3	70.2	71.2	71.4	71.4	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.8
IV 3500	68.2	74.7	75.7	75.9	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.2	76.2
IV 3000	69.9	77.1	78.1	78.3	78.3	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7
IV 2500	71.1	79.7	80.7	81.0	81.0	81.1	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.6	81.6	81.6
IV 2000	73.1	83.0	84.2	84.8	85.0	85.1	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.8	85.8	85.8
IV 1800	73.6	83.7	85.0	85.6	85.9	86.0	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.7	86.7	86.7
IV 1500	74.0	85.2	86.6	87.3	88.3	88.4	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.3	89.3	89.3
IV 1200	74.4	87.3	89.0	90.1	91.2	91.9	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.7	93.7	93.7
IV 1000	74.6	88.1	89.9	91.1	92.3	93.0	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.2	95.2	95.2
IV 900	74.9	88.6	90.4	91.7	93.0	93.7	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.9	95.9	95.9
IV 800	75.0	88.8	90.8	92.3	93.8	94.4	96.1	96.6	96.6	96.6	96.6	96.6	96.6	96.8	96.8	96.8
IV 700	75.1	89.2	91.2	92.8	94.2	94.9	96.7	97.1	97.2	97.2	97.2	97.2	97.2	97.4	97.4	97.4
IV 600	75.1	89.3	91.3	93.0	94.6	95.2	97.0	97.6	97.7	97.7	97.7	97.7	97.7	97.9	97.9	97.9
IV 500	75.1	89.3	91.3	93.0	94.6	95.2	97.2	97.9	98.1	98.1	98.1	98.1	98.1	98.4	98.4	98.4
IV 400	75.1	89.3	91.3	93.0	94.7	95.3	97.3	98.0	98.3	98.3	98.3	98.3	98.3	99.0	99.0	99.0
IV 300	75.1	89.3	91.4	93.2	95.0	95.7	97.7	98.3	98.7	98.9	99.3	99.3	99.3	99.6	99.7	99.7
IV 200	75.1	89.3	91.6	93.3	95.1	95.8	97.8	98.4	98.8	99.0	99.4	99.6	99.6	99.8	100.0	100.0
IV 100	75.1	89.3	91.6	93.3	95.1	95.8	97.8	98.4	98.8	99.0	99.4	99.6	99.6	99.8	100.0	100.0
IV 0	75.1	89.3	91.6	93.3	95.1	95.8	97.8	98.4	98.8	99.0	99.4	99.6	99.6	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

14703

WESTOVER AFB MA

69-70,73-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	38.0	40.0	40.4	40.8	41.2	41.2	41.2	41.2	41.2	41.3	41.3	41.5	41.5	41.6	41.6	42.0
≥ 20000	41.7	44.4	44.8	45.2	45.6	45.6	45.6	45.6	45.6	45.7	45.7	45.9	45.9	46.0	46.0	46.4
≥ 18000	41.9	44.5	44.9	45.3	45.7	45.7	45.7	45.7	45.7	45.9	45.9	46.0	46.0	46.1	46.1	46.5
≥ 16000	41.9	44.5	44.9	45.3	45.7	45.7	45.7	45.7	45.7	45.9	45.9	46.0	46.0	46.1	46.1	46.5
≥ 14000	42.0	44.7	45.1	45.5	45.9	45.9	45.9	45.9	45.9	46.0	46.0	46.1	46.1	46.3	46.3	46.7
≥ 12000	43.5	46.3	46.7	47.1	47.5	47.5	47.5	47.5	47.5	47.6	47.6	47.7	47.7	47.9	47.9	48.3
≥ 10000	46.3	49.1	49.5	49.9	50.3	50.3	50.3	50.3	50.3	50.4	50.4	50.5	50.5	50.7	50.7	51.1
≥ 9000	47.3	50.7	51.1	51.5	51.9	51.9	51.9	51.9	51.9	52.0	52.0	52.1	52.1	52.3	52.3	52.7
≥ 8000	48.9	53.5	53.9	54.3	54.7	54.7	54.7	54.7	54.7	54.8	54.8	54.9	54.9	55.1	55.1	55.5
≥ 7000	50.9	55.3	55.9	56.3	56.7	56.7	56.7	56.7	56.7	56.8	56.8	56.9	56.9	57.1	57.1	57.6
≥ 6000	53.1	58.3	58.8	59.2	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.9	59.9	60.0	60.0	60.5
≥ 5000	56.4	62.4	63.2	63.7	64.1	64.1	64.1	64.1	64.1	64.3	64.3	64.4	64.4	64.5	64.5	65.1
≥ 4500	58.5	64.7	65.6	66.1	66.5	66.5	66.5	66.5	66.5	66.7	66.7	66.8	66.8	66.9	66.9	67.5
≥ 4000	60.1	67.5	68.4	68.9	69.5	69.5	69.5	69.5	69.7	70.0	70.0	70.1	70.1	70.3	70.3	70.8
≥ 3500	63.2	70.7	71.6	72.1	72.7	72.7	72.8	73.1	73.1	73.3	73.3	73.5	73.5	73.6	73.6	74.1
≥ 3000	66.4	74.3	75.2	75.7	76.4	76.4	76.5	76.8	76.8	77.1	77.1	77.2	77.2	77.3	77.3	77.9
≥ 2500	68.9	77.6	78.7	79.5	80.3	80.3	80.4	80.7	80.7	80.9	80.9	81.1	81.1	81.2	81.2	81.7
≥ 2000	70.0	80.5	81.9	82.7	83.6	83.6	83.7	84.0	84.0	84.3	84.3	84.4	84.4	84.5	84.5	85.1
≥ 1800	70.7	81.9	83.2	84.0	84.9	84.9	85.1	85.3	85.3	85.6	85.6	85.7	85.7	85.9	85.9	86.4
≥ 1500	71.6	83.9	85.3	86.5	87.5	87.5	87.7	88.1	88.1	88.4	88.4	88.5	88.5	88.7	88.7	89.2
≥ 1200	71.7	85.5	87.3	88.9	90.8	90.8	91.2	91.6	91.6	91.9	91.9	92.0	92.0	92.1	92.1	92.7
≥ 1000	72.1	86.3	88.3	90.0	91.9	91.9	92.5	92.9	92.9	93.2	93.2	93.3	93.3	93.6	93.6	94.1
≥ 900	72.4	86.5	88.7	90.4	92.3	92.3	92.9	93.3	93.3	93.6	93.6	93.7	93.7	94.0	94.0	94.5
≥ 800	72.4	86.5	88.7	90.5	92.5	92.5	93.6	94.1	94.3	94.5	94.5	94.7	94.7	94.9	94.9	95.5
≥ 700	72.4	86.5	88.7	90.7	92.7	93.1	94.1	95.1	95.2	95.5	95.5	95.6	95.6	95.9	95.9	96.4
≥ 600	72.4	86.5	88.7	91.1	93.1	93.6	94.8	95.7	95.9	96.1	96.1	96.3	96.3	96.5	96.5	97.1
≥ 500	72.4	86.5	88.7	91.2	93.3	93.9	95.3	96.3	96.4	96.7	96.8	96.9	96.9	97.2	97.2	97.7
≥ 400	72.5	86.6	88.9	91.5	93.6	94.1	95.7	96.9	97.1	97.3	97.5	97.6	98.0	98.3	98.3	98.8
≥ 300	72.5	86.6	88.9	91.6	93.7	94.3	96.1	97.5	97.9	98.1	98.3	98.4	98.8	99.1	99.1	99.6
≥ 200	72.5	86.6	88.9	91.6	93.7	94.3	96.1	97.7	98.1	98.4	98.5	98.7	99.1	99.3	99.3	99.9
≥ 100	72.5	86.6	88.9	91.6	93.7	94.3	96.1	97.7	98.1	98.4	98.5	98.7	99.1	99.3	99.3	100.0
≥ 0	72.5	86.6	88.9	91.6	93.7	94.3	96.1	97.7	98.1	98.4	98.5	98.7	99.1	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 750



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	36.3	39.6	39.9	40.1	40.3	40.3	40.4	40.4	40.5	40.6	40.6	40.6	40.6	40.7	40.7	41.0
≥ 20000	40.3	44.3	44.6	44.9	45.0	45.1	45.2	45.2	45.3	45.3	45.3	45.4	45.4	45.5	45.6	45.9
IV 18000	40.4	44.5	44.7	45.0	45.2	45.2	45.3	45.4	45.4	45.5	45.5	45.5	45.6	45.6	45.7	46.0
IV 16000	40.5	44.5	44.8	45.1	45.2	45.3	45.4	45.4	45.5	45.5	45.6	45.6	45.6	45.7	45.8	46.1
IV 14000	40.9	45.1	45.4	45.7	45.8	45.9	46.0	46.0	46.1	46.1	46.2	46.2	46.2	46.3	46.4	46.7
IV 12000	42.6	47.2	47.5	47.8	48.1	48.1	48.2	48.2	48.3	48.4	48.4	48.4	48.4	48.5	48.6	48.9
IV 10000	45.1	49.9	50.3	50.6	50.8	50.9	51.0	51.1	51.1	51.2	51.2	51.2	51.3	51.3	51.4	51.7
IV 9000	45.6	51.1	51.5	51.8	52.0	52.1	52.2	52.2	52.3	52.4	52.4	52.4	52.4	52.5	52.6	52.9
IV 8000	47.8	53.7	54.1	54.5	54.7	54.8	54.9	54.9	55.0	55.1	55.1	55.1	55.1	55.2	55.3	55.6
IV 7000	49.4	55.8	56.3	56.6	56.9	57.0	57.1	57.1	57.2	57.3	57.3	57.3	57.3	57.4	57.5	57.8
IV 6000	50.7	57.4	57.9	58.2	58.6	58.7	58.8	58.8	58.9	59.0	59.0	59.0	59.0	59.1	59.2	59.5
IV 5000	52.9	60.3	60.9	61.2	61.6	61.7	61.8	61.9	62.0	62.0	62.0	62.1	62.1	62.2	62.3	62.6
IV 4500	54.8	62.3	63.0	63.4	63.8	64.0	64.0	64.1	64.2	64.2	64.3	64.3	64.3	64.4	64.5	64.8
IV 4000	57.9	66.0	66.8	67.2	67.7	67.9	68.1	68.2	68.3	68.3	68.4	68.4	68.4	68.5	68.6	68.9
IV 3500	61.6	70.2	71.0	71.5	72.0	72.2	72.5	72.7	72.8	72.8	72.8	72.9	72.9	73.0	73.1	73.4
IV 3000	64.2	73.6	74.5	75.1	75.7	75.8	76.2	76.3	76.4	76.5	76.5	76.6	76.6	76.7	76.8	77.1
IV 2500	66.1	76.4	77.4	78.1	78.7	78.9	79.2	79.4	79.5	79.6	79.6	79.6	79.7	79.8	79.9	80.2
IV 2000	67.6	79.4	80.6	81.3	82.1	82.3	82.6	82.8	83.0	83.0	83.1	83.1	83.1	83.2	83.3	83.6
IV 1800	68.4	80.3	81.5	82.3	83.0	83.3	83.6	83.9	84.0	84.0	84.1	84.1	84.2	84.2	84.4	84.7
IV 1500	69.4	82.1	83.5	84.4	85.3	85.5	85.9	86.2	86.3	86.4	86.5	86.5	86.5	86.6	86.7	87.0
IV 1200	70.2	84.5	86.1	87.3	88.4	89.0	89.8	90.2	90.3	90.4	90.5	90.5	90.5	90.6	90.7	91.0
IV 1000	70.4	85.3	87.3	88.6	90.0	90.5	91.5	91.9	92.0	92.1	92.1	92.2	92.2	92.3	92.4	92.8
IV 900	70.6	85.8	87.8	89.2	90.8	91.3	92.2	92.7	92.8	92.9	92.9	92.9	93.0	93.1	93.2	93.6
IV 800	70.7	86.3	88.5	90.2	91.9	92.5	93.5	94.0	94.2	94.3	94.3	94.4	94.5	94.5	94.7	95.0
IV 700	70.7	86.5	88.9	90.8	92.6	93.3	94.5	95.1	95.3	95.4	95.4	95.5	95.6	95.6	95.8	96.1
IV 600	70.7	86.7	89.1	91.1	92.9	93.8	95.1	95.8	96.0	96.1	96.2	96.2	96.3	96.4	96.5	96.9
IV 500	70.8	86.7	89.2	91.3	93.2	94.1	95.5	96.3	96.5	96.7	96.8	96.8	97.0	97.0	97.2	97.5
IV 400	70.8	86.8	89.3	91.4	93.6	94.4	95.9	96.8	97.1	97.2	97.4	97.5	97.7	97.7	97.9	98.2
IV 300	70.8	86.8	89.3	91.6	93.7	94.6	96.1	97.2	97.6	97.8	98.0	98.1	98.3	98.4	98.6	99.0
IV 200	70.8	86.8	89.3	91.6	93.8	94.7	96.2	97.4	97.8	98.0	98.2	98.3	98.6	98.7	98.9	99.5
IV 100	70.8	86.8	89.3	91.6	93.8	94.7	96.2	97.4	97.8	98.1	98.3	98.4	98.7	98.9	99.1	99.8
IV 0	70.8	86.8	89.3	91.6	93.8	94.7	96.2	97.4	97.8	98.1	98.3	98.4	98.7	98.9	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 6001



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

14703

WESTOVER AFB MA

69-70,73-75

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	38.8	41.0	41.3	41.3	41.3	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 20000	40.8	43.1	43.3	43.3	43.3	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 18000	41.5	43.8	44.0	44.0	44.0	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 16000	41.5	43.8	44.0	44.0	44.0	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 14000	41.5	43.8	44.0	44.0	44.0	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 12000	42.0	44.2	44.4	44.4	44.4	44.9	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 10000	43.1	45.4	45.6	45.6	45.6	46.0	46.0	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 9000	43.1	45.6	45.8	45.8	45.8	46.3	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 8000	46.7	50.3	50.8	50.8	50.8	51.2	51.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 7000	47.6	51.2	51.7	51.7	51.9	52.4	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 6000	49.0	52.6	53.1	53.1	53.3	53.7	53.7	54.0	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 5000	50.6	54.2	54.6	54.6	55.1	55.6	55.6	55.8	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 4500	51.5	55.6	56.0	56.2	56.5	56.9	56.9	57.1	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 4000	56.5	60.8	61.2	61.5	61.7	62.1	62.1	62.4	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 3500	57.1	61.7	62.1	62.4	62.8	63.3	63.3	63.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 3000	60.8	65.8	66.2	66.4	66.9	67.6	67.6	67.8	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 2500	61.9	67.6	68.0	68.3	68.9	69.8	69.8	70.1	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 2000	64.4	70.3	70.7	71.0	71.7	72.6	73.0	73.2	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 1800	64.4	70.3	70.7	71.0	71.7	72.6	73.2	73.7	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 1500	66.9	72.8	73.5	73.7	74.4	75.5	76.6	77.3	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 1200	68.9	76.0	76.9	77.3	78.5	79.8	81.0	81.9	82.5	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1000	69.6	77.6	78.7	79.4	80.7	82.5	83.7	85.3	85.9	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 900	69.6	77.6	78.7	79.4	80.7	82.8	84.1	85.7	86.4	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 800	69.6	77.6	79.6	80.3	81.6	84.1	85.9	88.0	88.9	90.0	90.0	90.2	90.2	90.2	90.2	90.2
≥ 700	69.6	77.8	79.6	80.3	81.6	84.1	85.9	88.2	89.1	90.2	90.2	90.5	90.5	90.5	90.5	90.5
≥ 600	69.6	78.2	80.0	80.7	82.1	84.6	86.4	88.9	90.0	91.4	91.4	91.6	91.6	92.1	92.3	92.5
≥ 500	69.6	78.2	80.0	80.7	82.1	84.6	86.4	88.9	90.0	91.6	91.8	92.1	92.5	93.0	93.0	93.2
≥ 400	69.6	78.2	80.0	80.7	82.1	84.6	86.4	88.9	90.0	91.8	92.5	92.7	93.9	94.3	94.8	95.2
≥ 300	69.6	78.2	80.0	81.0	82.5	85.0	87.3	90.2	91.4	93.2	93.9	94.8	95.9	96.6	97.1	97.5
≥ 200	69.6	78.2	80.0	81.0	82.5	85.0	87.3	90.5	91.6	93.4	94.1	95.0	96.1	96.8	97.3	97.7
≥ 100	69.6	78.2	80.0	81.0	82.5	85.0	87.3	90.7	91.8	93.7	94.3	95.7	96.8	98.0	98.4	99.8
≥ 0	69.6	78.2	80.0	81.0	82.5	85.0	87.3	90.7	91.8	93.7	94.3	95.7	96.8	98.0	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 441

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

14733

WESTOVER AFB MA

69-70, 73-75

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	39.2	42.4	42.6	43.1	43.1	43.1	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
IV 18000	40.8	44.0	44.2	44.7	44.7	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
IV 16000	40.8	44.0	44.2	44.7	44.7	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
IV 14000	40.8	44.0	44.2	44.7	44.7	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
IV 12000	41.0	44.2	44.4	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
IV 10000	43.5	46.7	46.9	47.4	47.4	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
IV 9000	43.5	46.9	47.2	47.6	47.6	47.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
IV 8000	46.5	51.2	51.7	52.2	52.2	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 7000	48.1	53.1	53.5	54.2	54.4	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 6000	50.8	56.0	56.7	57.4	57.6	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IV 5000	51.7	56.9	57.6	58.3	58.5	58.5	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 4500	52.2	57.4	58.0	58.7	59.0	59.0	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 4000	54.6	60.3	61.2	61.9	62.4	62.4	62.8	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 3500	56.0	61.7	62.6	63.3	63.9	63.9	64.4	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 3000	60.8	66.7	67.6	68.3	69.2	69.2	69.6	70.1	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 2500	61.9	68.5	69.4	70.1	71.9	71.9	72.3	72.8	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 2000	63.9	71.4	72.6	73.2	75.5	75.7	76.9	77.3	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 1800	64.6	72.8	73.9	74.6	76.9	77.1	78.2	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 1500	67.3	75.5	77.1	78.0	80.3	80.5	81.6	82.1	82.1	82.8	83.0	83.0	83.0	83.0	83.0	83.0
IV 1200	67.8	77.3	79.4	80.7	83.4	83.7	84.8	85.3	85.3	86.2	86.4	86.4	86.4	86.4	86.4	86.4
IV 1000	68.3	78.2	80.5	82.8	85.5	85.7	86.8	87.5	87.5	88.4	88.7	88.7	88.7	88.7	88.7	88.7
IV 900	68.3	78.5	80.7	83.0	85.7	85.9	87.1	88.0	88.0	88.9	89.1	89.1	89.1	89.1	89.1	89.1
IV 800	68.3	78.5	81.0	83.2	85.9	86.2	87.5	88.9	88.9	89.8	90.2	90.2	90.2	90.2	90.2	90.2
IV 700	68.3	78.9	81.6	83.9	86.6	86.8	88.4	90.0	90.5	91.4	91.8	91.8	91.8	91.8	91.8	91.8
IV 600	68.3	78.9	81.6	83.9	86.8	87.1	88.9	90.5	91.2	92.1	92.7	92.7	93.0	93.0	93.2	93.2
IV 500	68.3	78.9	81.6	83.9	86.8	87.3	89.1	90.7	91.6	93.0	93.7	93.7	93.9	93.9	94.1	94.3
IV 400	68.3	78.9	81.6	83.9	86.8	87.3	89.1	90.9	91.8	93.2	94.1	94.1	95.0	95.0	95.2	95.5
IV 300	68.3	78.9	81.6	83.9	87.1	87.5	89.3	91.2	92.5	94.3	95.2	95.5	96.4	96.4	96.8	98.0
IV 200	68.3	78.9	81.6	83.9	87.1	87.5	89.3	91.2	92.5	94.3	95.2	95.7	96.6	96.6	97.5	100.0
IV 100	68.3	78.9	81.6	83.9	87.1	87.5	89.3	91.2	92.5	94.3	95.2	95.7	96.6	96.6	97.5	100.0
IV 0	68.3	78.9	81.6	83.9	87.1	87.5	89.3	91.2	92.5	94.3	95.2	95.7	96.6	96.6	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 441



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

14703

WESTOVER AFB MA

69-70,73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	36.3 40.7	40.3 45.6	40.6 46.1	40.6 46.1	40.6 46.1	40.6 46.1	40.6 46.1	40.6 46.1	40.6 46.1	40.6 46.1	40.6 46.1	40.6 46.1	40.6 46.1	40.6 46.1	40.6 46.1	40.6 46.1
IV 18000 N 16000	40.7 40.7	45.8 45.8	46.2 46.2	46.2 46.2	46.2 46.2	46.2 46.2	46.2 46.2	46.2 46.2	46.2 46.2	46.2 46.2	46.2 46.2	46.2 46.2	46.2 46.2	46.2 46.2	46.2 46.2	46.2 46.2
IV 14000 N 12000	41.4 42.2	46.5 47.3	46.9 47.7	46.9 47.7	46.9 47.7	46.9 47.7	46.9 47.7	46.9 47.7	46.9 47.7	46.9 47.7	46.9 47.7	46.9 47.7	46.9 47.7	46.9 47.7	46.9 47.7	46.9 47.7
IV 10000 N 9000	44.7 45.5	50.7 51.5	51.1 51.9	51.1 51.9	51.1 51.9	51.1 51.9	51.1 51.9	51.1 51.9	51.1 51.9	51.1 51.9	51.1 51.9	51.1 51.9	51.1 51.9	51.1 51.9	51.1 51.9	51.1 51.9
IV 8000 N 7000	48.9 49.7	55.8 56.9	56.2 57.3	56.2 57.3	56.4 57.4	56.4 57.4	56.4 57.4	56.4 57.4	56.4 57.4	56.4 57.4	56.4 57.4	56.4 57.4	56.4 57.4	56.4 57.6	56.4 57.6	56.4 57.6
IV 6000 N 5000	50.7 52.5	58.4 60.9	58.8 61.3	58.8 61.4	58.9 61.6	58.9 61.6	58.9 61.6	58.9 61.6	58.9 61.6	58.9 61.6	58.9 61.6	58.9 61.6	58.9 61.6	59.0 61.7	59.0 61.7	59.0 61.7
IV 4500 N 4000	52.9 55.7	61.4 64.3	61.8 64.7	62.0 65.1	62.2 65.3	62.2 65.3	62.2 65.5	62.2 65.5	62.2 65.5	62.2 65.5	62.2 65.5	62.2 65.5	62.2 65.5	62.4 65.6	62.4 65.6	62.4 65.6
IV 3500 N 3000	56.8 59.7	65.6 68.9	66.1 69.5	66.5 70.0	66.8 70.4	66.8 70.5	67.1 70.8	67.1 70.8	67.1 70.8	67.1 70.8	67.1 70.8	67.1 70.8	67.1 70.8	67.2 71.0	67.2 71.0	67.2 71.0
IV 2500 N 2000	61.6 64.7	71.8 76.2	72.4 76.6	73.4 77.9	73.8 78.8	73.9 79.3	74.2 79.9	74.2 80.2	74.2 80.2	74.2 80.5	74.2 80.5	74.2 80.5	74.2 80.5	74.3 80.6	74.3 80.6	74.6 80.9
IV 1800 N 1500	65.5 67.2	77.4 79.9	78.0 80.7	79.1 81.9	80.1 83.1	80.5 83.5	81.1 84.6	81.4 85.0	81.4 85.0	81.7 85.3	81.7 85.3	81.7 85.3	81.7 85.3	81.8 85.4	81.8 85.4	82.1 85.7
IV 1200 N 1000	67.9 68.0	81.7 82.3	82.6 83.3	84.2 85.0	85.5 86.5	86.2 87.1	87.6 88.5	88.2 89.2	88.4 89.4	88.6 89.7	88.6 89.7	88.6 89.8	88.8 90.0	88.8 90.0	88.8 90.0	89.0 90.2
IV 900 N 800	68.0 68.0	82.6 82.6	83.5 83.8	85.3 85.7	86.7 87.4	87.6 88.2	88.9 89.7	89.7 90.8	90.1 91.2	90.4 91.4	90.4 91.6	90.5 91.7	90.6 91.8	90.6 91.8	90.6 91.8	90.9 92.1
IV 700 N 600	68.0 68.0	82.6 82.6	83.8 83.9	85.7 85.9	87.4 88.0	88.4 89.0	90.2 90.9	91.3 92.1	91.8 92.9	92.1 93.7	92.2 93.6	92.5 93.8	92.6 94.0	92.6 94.0	92.6 94.0	92.9 94.2
IV 500 N 400	68.0 68.0	82.6 82.6	83.9 83.9	86.1 86.1	88.2 88.2	89.3 89.3	91.2 91.3	92.8 93.0	93.6 94.1	93.8 94.5	94.4 95.2	94.6 95.4	94.8 95.6	94.9 95.7	94.9 95.9	95.3 96.5
IV 300 N 200	68.0 68.0	82.6 82.6	83.9 83.9	86.1 86.1	88.2 88.2	89.3 89.3	91.3 91.3	93.0 93.2	94.2 94.5	94.8 95.3	95.7 96.3	96.0 96.8	96.3 97.2	96.5 97.9	96.7 98.0	97.6 99.1
IV 100 N 0	68.0 68.0	82.6 82.6	83.9 83.9	86.1 86.1	88.2 88.2	89.3 89.3	91.3 91.3	93.2 93.2	94.5 94.5	95.3 95.3	96.3 96.3	96.9 96.9	97.3 97.3	98.0 98.0	98.5 98.5	99.9 100.0

TOTAL NUMBER OF OBSERVATIONS 747



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	37.7	41.2	41.3	41.7	41.8	41.9	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 20000	43.1	47.3	47.4	47.8	47.9	48.0	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 18000	43.2	47.4	47.6	47.9	48.0	48.1	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 16000	43.2	47.4	47.6	47.9	48.0	48.1	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 14000	44.2	48.4	48.6	48.9	49.0	49.1	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 12000	46.9	51.6	51.7	52.0	52.1	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 10000	49.4	54.8	54.9	55.3	55.4	55.6	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 9000	49.7	55.0	55.1	55.6	55.7	55.8	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 8000	53.2	59.6	59.7	60.1	60.2	60.3	60.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 7000	54.7	61.3	61.7	62.1	62.3	62.4	62.6	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 6000	55.2	62.2	62.6	63.1	63.3	63.6	63.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 5000	57.2	64.4	64.9	65.4	65.7	65.9	66.0	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 4500	57.9	65.2	65.8	66.4	66.7	66.9	67.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 4000	59.8	67.7	68.3	69.0	69.3	69.6	69.7	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 3500	61.6	69.8	70.4	71.2	71.6	71.8	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3000	64.3	73.2	74.1	75.0	75.4	75.8	76.2	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 2500	66.0	75.3	76.4	77.4	78.0	78.3	78.9	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2000	68.4	79.2	80.4	81.4	82.3	83.0	83.6	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 1800	69.2	80.0	81.4	82.4	83.3	84.2	84.8	85.4	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1500	69.6	80.7	82.1	83.1	84.3	85.2	85.8	86.6	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9
≥ 1200	70.3	82.4	84.2	85.4	87.7	88.7	89.6	90.3	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1000	70.6	82.9	84.8	86.2	88.6	89.7	90.6	91.4	91.7	91.7	91.9	91.9	92.0	92.0	92.0	92.0
≥ 900	70.6	83.2	85.2	86.8	89.2	90.4	91.3	92.3	92.7	92.7	92.9	92.9	93.0	93.0	93.0	93.0
≥ 800	70.6	83.2	85.4	87.0	89.4	90.7	91.6	92.6	92.9	93.0	93.3	93.3	93.4	93.4	93.4	93.4
≥ 700	70.6	83.2	85.6	87.2	89.7	90.9	92.0	93.2	93.6	93.7	94.1	94.1	94.2	94.2	94.2	94.2
≥ 600	70.6	83.3	85.8	87.6	90.1	91.4	92.6	93.8	94.6	94.9	95.3	95.3	95.4	95.4	95.4	95.4
≥ 500	70.6	83.3	85.8	87.7	90.3	91.7	92.9	94.4	95.2	95.6	96.1	96.1	96.2	96.3	96.3	96.3
≥ 400	70.6	83.3	85.8	87.8	90.4	92.1	93.4	95.0	96.0	96.4	97.1	97.2	97.4	97.6	97.6	97.7
≥ 300	70.6	83.3	85.8	87.8	90.4	92.1	93.6	95.1	96.1	96.6	97.2	97.3	97.6	97.7	97.8	98.0
≥ 200	70.6	83.3	85.8	87.8	90.4	92.1	93.6	95.1	96.2	96.9	97.6	97.7	98.0	98.2	98.9	99.2
≥ 100	70.6	83.3	85.8	87.8	90.4	92.1	93.6	95.2	96.3	97.0	97.7	97.8	98.1	98.4	99.3	100.0
≥ 0	70.6	83.3	85.8	87.8	90.4	92.1	93.6	95.2	96.3	97.0	97.7	97.8	98.1	98.4	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14713

WESTOVER AFB MA

69-70,73-80

DEC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥4
NO CEILING	38.9	47.3	47.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 20000	45.3	47.6	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 18000	46.3	48.2	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 16000	46.3	48.2	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 14000	46.6	48.8	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
IV 12000	49.3	51.8	52.1	52.3	52.3	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 10000	51.9	54.3	54.7	54.9	54.9	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 9000	52.8	55.2	55.6	55.8	55.8	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 8000	55.7	59.0	59.6	59.8	59.8	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.2	60.2	60.2
IV 7000	57.3	61.6	62.1	62.3	62.3	62.4	62.4	62.6	62.6	62.6	62.6	62.6	62.8	62.8	62.8
IV 6000	57.6	62.1	62.7	62.9	62.9	63.0	63.0	63.1	63.1	63.1	63.2	63.4	63.4	63.4	63.4
IV 5000	58.9	63.4	64.1	64.3	64.4	64.6	64.6	64.7	64.7	64.7	64.8	65.0	65.0	65.0	65.0
IV 4500	60.1	65.2	65.9	66.1	66.3	66.4	66.4	66.6	66.6	66.6	66.7	66.9	66.9	66.9	66.9
IV 4000	63.2	69.0	69.9	70.1	70.3	70.6	70.7	70.9	70.9	70.9	71.0	71.2	71.2	71.2	71.2
IV 3500	65.4	71.4	72.3	72.6	72.8	73.0	73.1	73.3	73.3	73.3	73.4	73.7	73.7	73.7	73.7
IV 3000	68.1	74.4	75.3	75.6	75.9	76.1	76.4	76.8	76.8	76.9	77.1	77.2	77.2	77.2	77.2
IV 2500	71.1	77.8	78.8	79.0	79.3	79.6	80.0	80.3	80.3	80.4	80.6	80.8	80.8	80.8	80.8
IV 2000	72.7	79.8	80.9	81.3	81.8	82.0	82.6	83.0	83.0	83.3	83.4	83.7	83.7	83.7	83.7
IV 1800	73.6	81.2	82.3	83.0	83.4	83.7	84.2	84.7	84.7	85.0	85.1	85.3	85.3	85.3	85.3
IV 1500	74.0	81.9	83.1	83.9	84.4	84.7	85.2	85.7	85.9	86.3	86.6	86.8	86.8	86.8	86.8
IV 1200	74.7	83.1	84.7	85.9	87.1	87.7	88.7	89.3	89.7	90.1	90.4	90.7	90.7	90.7	90.7
IV 1000	75.1	83.8	85.7	87.0	88.3	88.9	89.9	90.8	91.2	91.8	92.2	92.4	92.4	92.4	92.4
IV 900	75.1	84.1	86.0	87.4	89.0	89.6	90.7	91.6	92.1	92.7	93.1	93.3	93.3	93.3	93.3
IV 800	75.1	84.1	86.1	87.6	89.4	90.0	91.3	92.2	92.9	93.4	94.0	94.2	94.3	94.3	94.3
IV 700	75.1	84.4	86.4	87.9	89.8	90.4	91.8	92.8	93.8	94.3	94.9	95.1	95.2	95.2	95.2
IV 600	75.1	84.6	86.7	88.3	90.4	91.1	92.4	93.6	94.6	95.1	95.8	96.1	96.4	96.4	96.4
IV 500	75.1	84.6	86.7	88.3	90.7	91.3	92.8	93.9	94.9	95.7	96.4	96.9	97.3	97.3	97.4
IV 400	75.1	84.6	86.7	88.3	90.7	91.7	93.3	94.4	95.6	96.4	97.2	97.7	98.1	98.2	98.3
IV 300	75.1	84.6	86.7	88.3	90.7	91.8	93.4	94.6	95.9	96.8	97.6	98.0	98.4	98.6	98.7
IV 200	75.1	84.6	86.7	88.3	90.7	91.8	93.4	94.7	96.0	97.0	97.8	98.3	99.0	99.1	99.2
IV 100	75.1	84.6	86.7	88.3	90.7	91.8	93.4	94.7	96.0	97.0	97.8	98.3	99.0	99.1	99.3
IV 0	75.1	84.6	86.7	88.3	90.7	91.8	93.4	94.7	96.0	97.0	97.8	98.3	99.0	99.1	99.3

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES:															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	41.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 20000	46.5	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 18000	47.0	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 16000	47.0	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 14000	47.4	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 12000	49.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 10000	53.5	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 9000	54.1	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 8000	57.7	60.5	60.7	60.9	60.9	60.9	61.0	61.0	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 7000	59.2	62.1	62.4	62.6	62.6	62.6	62.7	62.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 6000	60.4	63.5	63.8	64.1	64.1	64.1	64.3	64.3	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 5000	61.7	65.0	65.4	65.6	65.6	65.6	65.8	65.8	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 4500	63.6	67.0	67.4	67.6	67.6	67.6	67.9	67.9	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 4000	66.3	70.3	71.0	71.2	71.3	71.3	71.5	71.5	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 3500	68.0	72.4	73.2	73.4	73.5	73.7	73.9	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3000	70.8	76.2	77.1	77.5	77.8	78.0	78.5	78.7	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 2500	72.9	78.3	79.2	79.6	79.9	80.1	80.6	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 2000	74.9	80.9	81.8	82.1	82.7	82.9	83.7	84.3	84.4	84.6	84.6	84.7	84.7	84.7	84.7	84.7
≥ 1800	75.6	81.6	82.6	83.0	83.6	83.8	84.6	85.3	85.4	85.6	85.6	85.7	85.7	85.7	85.7	85.7
≥ 1500	76.2	82.5	83.5	84.0	84.6	84.8	85.8	86.6	86.8	87.1	87.1	87.2	87.2	87.2	87.2	87.2
≥ 1200	76.7	83.3	84.5	85.2	86.2	86.4	87.4	88.2	88.6	89.0	89.0	89.2	89.3	89.4	89.4	89.4
≥ 1000	76.8	83.7	84.9	85.8	87.2	87.4	88.4	89.6	90.1	90.6	90.7	91.0	91.2	91.3	91.3	91.3
≥ 900	76.8	83.9	85.2	86.0	87.5	87.7	88.8	90.2	90.6	91.2	91.3	91.5	91.9	92.0	92.0	92.0
≥ 800	76.8	83.9	85.4	86.5	87.9	88.3	89.4	91.1	91.5	92.3	92.6	92.9	93.2	93.3	93.3	93.3
≥ 700	76.8	84.2	85.6	86.8	88.4	88.8	90.0	91.9	92.4	93.2	93.6	94.0	94.5	94.6	94.6	94.6
≥ 600	76.8	84.3	85.9	87.2	88.7	89.2	90.3	92.4	93.1	93.9	94.3	94.6	95.2	95.6	95.6	95.6
≥ 500	76.8	84.3	85.9	87.3	89.1	89.8	91.0	93.2	94.0	94.9	95.5	95.9	96.5	97.0	97.0	97.0
≥ 400	76.8	84.3	85.9	87.3	89.2	90.1	91.3	93.5	94.3	95.2	95.9	96.2	97.0	97.5	97.8	97.8
≥ 300	76.8	84.3	85.9	87.3	89.3	90.2	91.6	94.4	95.2	96.2	96.9	97.2	98.1	98.7	98.9	99.0
≥ 200	76.8	84.3	85.9	87.3	89.3	90.2	91.6	94.4	95.2	96.3	97.0	97.5	98.4	99.0	99.2	99.6
≥ 100	76.8	84.3	85.9	87.3	89.3	90.2	91.6	94.4	95.2	96.3	97.0	97.5	98.4	99.0	99.2	99.6
≥ 0	76.8	84.3	85.9	87.3	89.3	90.2	91.6	94.4	95.2	96.3	97.0	97.5	98.4	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 896



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14 703

WESTOVER AFB MA

69-70,73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING ≥ 20000	44.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 18000 IV 16000	48.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 14000 IV 12000	48.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 10000 IV 9000	49.5	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 8000 IV 7000	52.9	56.2	56.2	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 6000 IV 5000	54.1	57.4	57.4	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 4500 IV 4000	55.5	59.3	59.3	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 3500 IV 3000	56.7	60.7	60.8	61.2	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 2500 IV 2000	57.1	61.5	61.6	62.0	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 1800 IV 1500	58.9	63.7	63.8	64.1	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 1200 IV 1000	59.8	64.8	64.9	65.2	65.3	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 900 IV 800	63.4	69.9	70.1	70.5	70.7	70.7	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 700 IV 600	65.5	71.9	72.1	72.6	72.7	72.7	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 500 IV 400	68.2	75.2	75.5	76.0	76.1	76.1	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 300 IV 200	70.0	77.2	77.5	78.0	78.1	78.1	78.2	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 100 IV 0	72.2	80.5	80.8	81.6	81.8	81.8	82.2	82.8	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0
	72.7	81.0	81.5	82.3	82.5	82.5	82.8	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6
	73.4	82.6	83.1	84.8	85.0	85.2	85.9	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8
	74.1	83.7	84.3	86.2	86.8	87.0	88.1	89.1	89.2	89.3	89.3	89.4	89.4	89.4	89.5	89.5
	74.0	84.3	85.1	87.1	87.7	87.9	89.1	90.0	90.3	90.5	90.5	90.6	90.6	90.6	90.7	90.7
	74.3	84.5	85.6	87.7	88.3	88.5	89.8	91.1	91.5	91.8	91.8	91.9	91.9	91.9	92.0	92.0
	74.6	85.1	86.1	88.3	88.8	89.1	90.6	91.9	92.3	92.6	92.6	92.7	92.7	92.7	92.8	92.8
	74.6	85.2	86.3	88.5	89.2	89.5	91.2	92.4	92.9	93.1	93.1	93.2	93.2	93.2	93.3	93.3
	74.6	85.3	86.5	88.6	89.3	89.6	91.4	92.8	93.3	93.6	93.6	93.7	93.8	93.8	93.9	94.0
	74.6	85.4	86.6	88.7	89.7	90.1	92.0	93.5	94.0	94.2	94.4	94.5	94.7	94.7	94.8	94.9
	74.6	85.4	86.6	88.7	89.7	90.1	92.2	93.7	94.5	95.1	95.7	96.0	96.4	96.6	96.7	96.8
	74.6	85.4	86.6	88.7	89.7	90.2	92.3	94.0	94.9	95.7	96.3	97.0	97.5	98.0	98.3	98.5
	74.6	85.4	86.6	88.7	89.7	90.2	92.4	94.5	95.6	96.4	97.2	97.6	98.2	98.6	99.0	99.4
	74.6	85.4	86.6	88.7	89.7	90.2	92.4	94.5	95.6	96.4	97.4	97.9	98.4	98.9	99.2	99.7
	74.6	85.4	86.6	88.7	89.7	90.2	92.4	94.5	95.6	96.4	97.4	97.9	98.4	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS

886

USAF ETAC

FORM  
JUL 64

0-14-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

147.3

WESTOVER AFB MA

69-70,73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	42.9	44.5	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 20000	45.8	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 18000	45.8	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 16000	45.8	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 14000	46.0	47.8	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 12000	46.5	48.4	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 10000	49.3	51.3	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 9000	49.7	51.7	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 8000	51.9	54.3	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 7000	53.2	56.0	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 6000	54.0	57.0	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 5000	55.5	59.0	59.4	59.5	59.8	59.8	59.8	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 4500	56.7	60.5	61.0	61.2	61.4	61.4	61.4	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 4000	60.5	64.2	64.8	64.9	65.2	65.2	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 3500	63.0	68.3	68.8	69.1	69.4	69.4	69.4	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 3000	64.7	70.3	71.1	71.6	71.9	71.9	71.9	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 2500	66.9	72.8	73.7	74.2	74.5	74.6	74.6	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 2000	69.6	76.2	77.2	77.8	78.4	78.5	78.8	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 1800	70.2	77.0	78.0	78.8	79.4	79.6	79.8	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 1500	71.4	79.4	80.6	81.9	82.8	83.1	83.5	84.1	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1200	72.2	80.9	82.1	83.6	85.1	85.6	86.2	86.8	87.2	87.4	87.4	87.4	87.4	87.5	87.5	87.5
≥ 1000	72.3	82.1	83.6	85.1	86.8	87.5	88.0	88.7	89.1	89.2	89.2	89.2	89.4	89.4	89.4	89.4
≥ 900	72.3	82.7	84.1	85.9	87.6	88.4	89.0	89.8	90.2	90.3	90.3	90.3	90.6	90.7	90.7	90.7
≥ 800	72.3	83.2	84.8	86.6	88.3	89.1	89.8	90.7	91.3	91.4	91.4	91.4	91.7	91.8	91.8	91.8
≥ 700	72.6	83.7	85.3	87.1	89.0	89.8	90.6	91.7	92.2	92.5	92.6	92.6	92.9	93.0	93.0	93.0
≥ 600	72.6	83.7	85.6	87.4	89.4	90.2	91.0	92.3	93.0	93.3	93.4	93.4	93.7	94.1	94.2	94.2
≥ 500	72.6	83.7	85.6	87.5	89.5	90.3	91.3	93.1	94.0	94.2	94.4	94.4	94.6	95.0	95.2	95.2
≥ 400	72.6	83.7	85.6	87.5	89.7	90.5	91.5	93.5	94.6	95.2	95.4	95.4	95.7	96.6	96.8	96.8
≥ 300	72.6	84.0	85.9	87.8	89.9	90.7	92.1	94.1	95.2	95.7	96.1	96.1	96.6	97.6	97.7	97.7
≥ 200	72.6	84.0	85.9	87.8	89.9	90.7	92.3	94.5	95.7	96.2	96.8	96.8	97.6	98.5	98.9	99.2
≥ 100	72.6	84.0	85.9	87.8	89.9	90.7	92.3	94.5	95.7	96.2	96.9	96.9	97.7	98.7	99.1	99.7
≥ 0	72.6	84.0	85.9	87.8	89.9	90.7	92.3	94.5	95.7	96.2	96.9	96.9	97.7	98.7	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 744



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.0	42.4	42.6	42.7	42.7	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 20000	44.4	47.4	47.6	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 18000	44.7	47.7	47.9	48.0	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 16000	44.7	47.7	47.9	48.0	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 14000	45.1	48.1	48.3	48.4	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 12000	46.6	49.8	50.0	50.1	50.1	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 10000	49.4	52.8	53.0	53.3	53.3	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 9000	50.0	53.9	53.7	53.9	53.9	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 8000	52.9	57.1	57.4	57.7	57.7	57.8	57.9	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 7000	54.2	58.8	59.2	59.4	59.5	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 6000	55.1	60.0	60.4	60.6	60.7	60.8	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 5000	56.7	61.8	62.3	62.6	62.7	62.8	62.9	63.0	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.2
≥ 4500	57.7	63.1	63.5	63.8	64.0	64.1	64.2	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5
≥ 4000	60.8	66.7	67.3	67.6	67.9	68.0	68.1	68.3	68.4	68.4	68.4	68.4	68.5	68.5	68.5	68.5
≥ 3500	62.5	68.8	69.5	69.9	70.1	70.2	70.4	70.6	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.8
≥ 3000	65.4	72.2	72.9	73.4	73.8	74.0	74.2	74.5	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7
≥ 2500	67.4	74.6	75.4	75.9	76.4	76.6	76.9	77.2	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2000	69.7	77.7	78.6	79.3	80.0	80.3	80.9	81.4	81.5	81.6	81.6	81.7	81.7	81.7	81.7	81.7
≥ 1800	70.3	78.6	79.5	80.3	81.0	81.4	82.0	82.5	82.6	82.8	82.8	82.9	82.9	82.9	82.9	82.9
≥ 1500	71.4	80.2	81.2	82.2	83.1	83.5	84.3	84.9	85.1	85.3	85.4	85.5	85.5	85.5	85.5	85.5
≥ 1200	72.1	81.7	83.0	84.2	85.6	86.2	87.2	88.0	88.2	88.6	88.6	88.7	88.8	88.8	88.8	88.8
≥ 1000	72.3	82.5	83.9	85.4	86.9	87.5	88.5	89.5	89.8	90.2	90.3	90.4	90.5	90.5	90.6	90.6
≥ 900	72.4	82.7	84.2	85.8	87.4	88.1	89.2	90.2	90.7	91.0	91.2	91.3	91.4	91.4	91.5	91.5
≥ 800	72.4	82.9	84.6	86.2	87.9	88.6	89.9	91.1	91.6	92.0	92.3	92.4	92.5	92.6	92.6	92.6
≥ 700	72.5	83.1	84.8	86.5	88.2	89.1	90.4	91.8	92.4	92.8	93.1	93.3	93.5	93.5	93.5	93.6
≥ 600	72.5	83.2	85.1	86.8	88.6	89.5	90.9	92.4	93.2	93.7	94.0	94.2	94.5	94.6	94.7	94.7
≥ 500	72.5	83.2	85.1	86.9	88.9	89.8	91.3	93.0	93.8	94.4	94.9	95.1	95.4	95.6	95.6	95.7
≥ 400	72.5	83.2	85.1	86.9	88.9	90.0	91.6	93.3	94.3	95.1	95.7	96.0	96.4	96.7	96.9	97.1
≥ 300	72.5	83.3	85.1	86.9	89.0	90.1	91.8	93.7	94.7	95.6	96.3	96.6	97.2	97.6	97.8	98.1
≥ 200	72.5	83.3	85.1	86.9	89.0	90.1	91.9	93.9	95.0	96.0	96.8	97.2	97.8	98.3	98.6	99.1
≥ 100	72.5	83.3	85.1	86.9	89.0	90.1	91.9	93.9	95.1	96.1	96.8	97.3	98.0	98.5	99.0	99.8
≥ 0	72.5	83.3	85.1	86.9	89.0	90.1	91.9	93.9	95.1	96.1	96.8	97.3	98.0	98.5	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 5955

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14723

WESTOVER AFB MA

69-70,73-81

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	41.5	46.1	46.9	47.5	48.0	48.2	48.4	48.6	48.6	48.7	48.7	48.7	48.8	48.8	48.8	48.9
≥ 20000	45.6	51.0	52.0	52.6	53.2	53.5	53.7	53.9	53.9	54.0	54.0	54.0	54.1	54.1	54.2	54.3
≥ 18000	45.7	51.1	52.1	52.7	53.3	53.6	53.8	54.0	54.0	54.1	54.1	54.2	54.2	54.2	54.3	54.4
≥ 16000	45.7	51.2	52.1	52.7	53.4	53.6	53.8	54.0	54.1	54.2	54.2	54.2	54.3	54.3	54.3	54.5
≥ 14000	46.1	51.7	52.7	53.3	53.9	54.2	54.4	54.6	54.6	54.7	54.7	54.7	54.8	54.8	54.9	55.0
≥ 12000	47.5	53.3	54.3	54.9	55.6	55.9	56.1	56.3	56.4	56.4	56.5	56.5	56.5	56.5	56.6	56.7
≥ 10000	49.6	56.0	57.0	57.7	58.5	58.7	59.0	59.2	59.3	59.3	59.4	59.4	59.4	59.5	59.5	59.7
≥ 9000	50.4	56.9	58.0	58.7	59.5	59.8	60.0	60.2	60.3	60.4	60.4	60.4	60.5	60.5	60.5	60.7
≥ 8000	52.9	60.1	61.3	62.1	62.9	63.2	63.5	63.7	63.8	63.8	63.9	63.9	63.9	64.0	64.0	64.2
≥ 7000	54.1	61.7	62.9	63.7	64.6	64.9	65.2	65.4	65.5	65.6	65.6	65.6	65.7	65.7	65.8	65.9
≥ 6000	55.1	62.8	64.1	65.0	65.9	66.2	66.5	66.7	66.8	66.9	66.9	66.9	67.0	67.0	67.1	67.2
≥ 5000	56.8	65.0	66.4	67.2	68.2	68.5	68.8	69.1	69.2	69.2	69.3	69.3	69.4	69.4	69.5	69.6
≥ 4500	58.0	66.4	67.8	68.7	69.6	70.0	70.3	70.6	70.7	70.8	70.8	70.8	70.9	70.9	71.0	71.1
≥ 4000	60.2	69.1	70.6	71.6	72.6	73.0	73.4	73.7	73.8	73.8	73.9	73.9	74.0	74.0	74.1	74.2
≥ 3500	62.2	71.5	73.0	74.1	75.2	75.6	75.9	76.3	76.3	76.4	76.5	76.5	76.6	76.6	76.7	76.8
≥ 3000	64.1	74.0	75.7	76.8	78.0	78.5	78.9	79.2	79.3	79.4	79.5	79.5	79.5	79.6	79.6	79.8
≥ 2500	65.5	75.9	77.7	78.9	80.2	80.7	81.1	81.4	81.6	81.7	81.7	81.7	81.8	81.8	81.9	82.0
≥ 2000	66.9	78.1	80.0	81.3	82.8	83.3	83.8	84.2	84.4	84.5	84.6	84.6	84.6	84.7	84.7	84.9
≥ 1800	67.3	78.7	80.6	82.0	83.5	84.0	84.6	85.0	85.1	85.3	85.3	85.4	85.4	85.4	85.5	85.7
≥ 1500	68.0	80.1	82.2	83.7	85.4	86.0	86.6	87.1	87.3	87.4	87.5	87.5	87.6	87.6	87.7	87.8
≥ 1200	68.7	81.6	84.0	85.8	87.8	88.5	89.3	89.8	90.0	90.2	90.3	90.3	90.4	90.4	90.5	90.6
≥ 1000	68.9	82.3	84.9	86.9	89.1	90.0	90.8	91.4	91.7	91.9	92.0	92.0	92.1	92.1	92.2	92.3
≥ 900	69.0	82.6	85.2	87.4	89.6	90.6	91.5	92.1	92.4	92.6	92.7	92.7	92.8	92.8	92.9	93.1
≥ 800	69.0	82.8	85.7	87.9	90.4	91.4	92.4	93.1	93.4	93.6	93.8	93.8	93.9	93.9	94.0	94.2
≥ 700	69.0	83.0	85.9	88.3	90.9	92.1	93.1	94.0	94.3	94.6	94.7	94.8	94.9	94.9	95.0	95.1
≥ 600	69.0	83.1	86.1	88.6	91.4	92.6	93.8	94.8	95.1	95.4	95.6	95.6	95.8	95.8	95.9	96.1
≥ 500	69.0	83.1	86.2	88.8	91.8	93.1	94.3	95.5	95.9	96.2	96.4	96.5	96.6	96.7	96.8	97.0
≥ 400	69.0	83.2	86.3	88.9	91.9	93.3	94.7	96.0	96.5	96.9	97.2	97.3	97.5	97.6	97.7	97.9
≥ 300	69.0	83.2	86.3	88.9	92.0	93.4	94.9	96.4	96.9	97.4	97.8	97.9	98.2	98.3	98.5	98.7
≥ 200	69.0	83.2	86.3	88.9	92.0	93.5	95.0	96.5	97.1	97.6	98.1	98.2	98.6	98.8	99.0	99.4
≥ 100	69.0	83.2	86.3	88.9	92.0	93.5	95.0	96.5	97.1	97.7	98.1	98.3	98.7	98.9	99.2	99.8
≥ 0	69.0	83.2	86.3	88.9	92.0	93.5	95.0	96.5	97.1	97.7	98.2	98.3	98.7	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 72674



U S AIR FORCE  
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APPLICATIONS CENTER

TOTAL SKY COVER

FOR AIRWAYS STATIONS THE SYMBOLS OF CLEAR, SCATTERED,  
BROKEN, OVERCAST, & OBSCURED WERE USED AS INPUT FOR THE  
TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10



2

**USE WITH CAUTION**  
**SEE FIRST PAGE**

**JAN**  
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN.	00-02	24.5			20.4						13.3	41.7	6.0	465
	03-05	27.6			16.4						11.6	44.4	6.0	464
	06-08	14.8			27.0						16.9	41.2	6.5	762
	09-11	10.0			30.5						20.2	39.4	6.7	912
	12-14	7.0			30.5						24.2	38.3	6.9	912
	15-17	7.7			31.0						23.6	37.7	6.8	910
	18-20	17.1			29.0						16.2	37.7	6.1	911
	21-23	21.9			25.7						13.1	39.4	5.9	764
TOTALS		16.3			26.3						17.4	40.0	6.4	6100



## SKY COVER

14703  
STATION

WESTOVER AFB MA STATION NAME

70,73-81

FEB  
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10		
FEB	00-02	26.7			18.8						11.2	43.3	5.9	356
	03-05	25.0			16.0						12.9	46.1	6.3	356
	06-08	12.6			28.8						19.7	38.9	6.5	681
	09-11	12.2			28.4						23.3	36.2	6.6	843
	12-14	11.5			29.8						22.5	36.2	6.5	843
	15-17	11.6			28.8						22.9	36.7	6.6	843
	18-20	17.5			31.5						15.0	36.0	5.9	841
	21-23	24.9			25.0						12.1	38.0	5.6	676
TOTALS		17.8			25.9						17.5	38.9	6.2	5439



2

## 3

WESTOVER AFB MA

69-70, 73-80

MAR  
MON

STATION NAME

PERIOD

MONTH

5

6

FORM 0-9-5 (OL A)  
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

C



2

USE WITH CAUTION  
SEE FIRST PAGE

WESTOVER AFB MA

69-70, 73-80

**APR**  
MONTH

PERIOD

1  
2  
3  
4  
5  
6  
7  
8  
9

FORM  
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.



2

## 1

WESTOVER AFB MA

USE WITH CAUTION  
SEE FIRST PAGE

MAY  
MONTH

1





2

USE WITH CAUTION  
SEE FIRST PAGE

**JUN**  
MONT

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SKY COVER

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
PERIOD

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02	22.6			19.3						18.7	39.3	6.2	460
	03-05	17.2			19.6						19.4	43.8	6.7	459
	06-08	12.9			25.9						23.6	37.5	6.7	919
	09-11	6.2			34.7						27.5	31.5	6.7	930
	12-14	1.8			37.6						31.9	28.7	6.9	929
	15-17	2.0			34.4						34.4	29.1	7.0	930
	18-20	4.9			33.2						26.7	35.2	6.9	930
	21-23	13.5			33.3						21.1	32.0	6.1	621
TOTALS		10.1			29.8						25.4	34.6	6.7	6178

USAFETAC

FORM  
JUL 64 0-9-5 (OL A)

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## SKY COVER

14703      WESTOVER AFB MA  
STATION      STATION NAME

69-70, 73-80

**AUG**  
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00-02	32.8			23.3						13.3	30.7	5.0	460
	03-05	22.7			28.2						13.6	35.6	5.6	450
	06-08	11.3			25.0						23.1	40.7	6.9	915
	09-11	9.3			32.0						26.1	32.6	6.6	926
	12-14	2.9			37.6						28.3	31.2	6.8	930
	15-17	3.1			35.8						31.8	29.3	6.9	927
	18-20	6.5			34.9						27.3	31.3	6.6	926
	21-23	22.4			28.3						19.5	29.8	5.6	625
TOTALS		13.9			30.6						22.9	32.7	6.3	6161

FORM  
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



USE WITH CAUTION  
SEE FIRST PAGE

147 3  
STATION

WILSTOVER AFB MA

STATION NAME

69-70, 73-80

PERIOD

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										
		0	1	2	3	4	5	6	7	8	9	10
SEP	30-02	24.4			22.8						13.6	39.2
	03-05	25.1			18.2						14.2	42.5
	06-08	10.2			27.9						20.6	41.3
	09-11	7.5			35.7						22.5	34.4
	12-14	4.3			38.2						27.1	30.3
	15-17	5.1			39.2						23.5	32.2
	18-20	14.0			31.4						22.8	31.5
	21-23	24.9			24.1						14.7	36.3
TOTALS		14.4			29.7						19.9	36.5



## SKY COVER

14723  
STATION

WESTOVER AFB MA

STATION NAME

69-70, 73-80

PERIOD

OCT  
MONIM

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
201	00-02	32.2			23.0						14.6	30.2	5.0	460
	03-05	32.2			21.7						12.4	33.7	5.1	460
	06-08	11.9			27.7						20.6	39.8	6.7	904
	09-11	10.3			28.5						24.4	36.7	6.7	929
	12-14	10.2			30.8						28.6	30.4	6.5	930
	15-17	8.5			33.3						26.3	31.8	6.6	930
	18-20	17.9			31.0						19.7	31.4	5.8	929
	21-23	26.7			27.3						13.6	32.4	5.3	633
TOTALS		18.7			27.9						20.0	33.3	6.0	6175

FORM  
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.



## SKY COVER

14703  
STATION

WESTOVER AFB MA

69-70, 73-80

NOV  
MON

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	00-02	17.6			16.5						17.9	48.0	6.9	442
	3-05	20.9			17.7						15.5	46.0	6.5	446
	06-08	9.7			25.5						20.4	44.3	7.0	749
	09-11	7.4			24.5						24.3	43.8	7.3	897
	12-14	5.0			25.3						27.2	42.4	7.5	900
	15-17	4.4			26.9						25.9	42.8	7.4	900
	18-20	13.1			21.8						20.4	44.7	7.0	899
	21-23	15.6			20.2						18.3	45.9	6.8	743
TOTALS		11.7			22.3						21.2	44.7	7.1	5976

**USAFETAC**

FORM 0-9-5 (OL A)  
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.



## SKY COVER

14723      WESTOVER AFB MA  
STATION      STATION NAME

69-70, 73-80

DEC  
MONI

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	30-32	19.1			17.5						15.0	48.4	6.7	440
	3-25	20.4			16.6						14.5	48.5	6.7	441
	6-18	9.1			25.0						18.5	47.4	7.2	747
	19-11	6.2			27.2						23.3	43.2	7.2	900
	12-14	6.0			27.8						22.6	43.7	7.2	900
	15-17	7.0			29.7						19.9	43.4	7.0	896
	18-20	15.9			26.4						14.6	43.2	6.4	886
	21-23	18.2			21.0						15.1	45.8	6.6	743
TOTALS		12.7			23.9						17.9	45.5	6.9	5953



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SKY COVER

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70.73-81  
PERIOD

ALL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	16.3			26.3						17.4	40.0	6.4	6100
FEB		17.8			25.9						17.5	38.9	6.2	5439
MAR		14.2			23.5						17.3	45.1	6.8	6197
APR		16.3			25.3						18.7	39.8	6.4	5989
MAY		9.4			26.2						23.2	41.2	7.0	6193
JUN		9.5			28.5						23.1	38.9	6.8	5977
JUL		10.1			29.8						25.4	34.6	6.7	6178
AUG		13.9			30.6						22.9	32.7	6.3	6161
SEP		14.4			29.7						19.9	36.0	6.3	6117
OCT		18.7			27.9						20.0	33.3	6.0	6175
NOV		11.7			22.3						21.2	44.7	7.1	5976
DEC		12.7			23.9						17.9	45.5	6.9	5953
TOTALS		13.8			26.7						20.4	39.2	6.6	72455



U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperatures
  - b. Daily minimum temperatures
  - c. Daily mean temperatures

**NOTE:** Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

**NOTE:** The following symbols are used in the extreme data blocks:

- (1) \* indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse



3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.

This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma_x$ ). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.



STATION	STATION NAME

41-61

**YEARS**

MAXIMUM

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



STATION NAME

41-21

**YEARS**

"INFLUENCE"



GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC  
14773 WESTOVER AFB MA

# DAILY TEMPERATURES

STATION

STATION NAME

41-81

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
75						.2	.4	.2					.1
70					.2	3.5	7.3	5.6	1.2				1.5
65				.2	1.5	15.6	31.3	23.0	6.6	.2			6.6
60				.9	7.6	38.0	65.9	51.5	18.2	1.5			15.5
55			.2	3.0	20.6	63.2	90.7	78.9	36.2	6.6	.4		25.3
50			.7	8.3	42.5	83.9	99.1	95.4	59.6	17.2	2.1		34.5
45	.1	.1	2.0	18.8	64.4	96.4	100.0	99.5	80.2	35.2	6.7	.2	42.4
40	.4	.5	6.6	35.5	85.2	99.8		99.9	94.3	58.5	17.7	1.8	50.5
35	1.9	2.3	15.5	59.6	96.7	100.0		100.0	99.0	80.1	31.4	5.0	58.1
30	5.7	8.4	32.6	84.5	99.7				99.9	93.7	53.0	12.4	66.2
25	17.2	22.2	58.6	96.7	100.0				100.0	99.3	77.2	27.3	75.1
20	33.7	41.6	79.4	99.3						100.0	92.0	48.7	83.1
15	51.9	61.5	91.1	99.8							98.6	67.3	89.2
10	68.5	75.3	97.4	100.0							99.7	81.5	93.6
5	83.1	87.2	99.3								100.0	90.6	96.7
0	92.3	94.9	99.7									96.5	98.6
-5	96.7	98.5	100.0									99.2	99.5
-10	99.1	99.7										99.8	99.9
-15	99.8	99.9										100.0	100.0
-20	100.0	100.0											100.0
MEAN	24.5	26.6	36.1	47.3	57.9	67.0	71.8	69.7	61.9	51.6	40.9	28.5	48.7
S.D.	10.277	9.884	8.681	8.209	7.763	7.031	5.341	6.148	8.070	8.150	8.508	9.997	18.506
TOTAL OBS.	1235	1129	1209	1200	1240	1200	1240	1240	1200	1239	1169	1230	14531



NATIONAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

STATION ASTORIA AFB MA STATION NAME 41-81 YEARS

IN HOLDS DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
41				89	93	96	95	9	97	88	73	55	
42	25	46	61	85	87	91	93	89	89	75	71	55	97
43	44	57	68	73	83	96	89	92	91	81	65	51	98
44	23	52	62	73	93	95	95	99	88	85	67	49	99
45	35	45	86	85	80	95	92	92	91	82	72	49	98
46	59	53	92	77	87	93	96	82	87	85	69	64	94
47	58	50	58	79	87	91	91	87	89	86	64	50	97
48	42	53	71	71	84	92	94	89	91	78	71	59	99
49	38	55	73	73	91	94	97	99	83	86	68	59	99
50	35	47	62	76	84	91	91	87	85	85	31	64	91
51	57	57	65	72	89	9	95	91	86	81	65	61	92
52	50	46	60	79	81	102	95	91	89	74	69	61	102
53	51	56	85	70	91	97	97	97	101	82	69	51	101
54	47	52	66	77	82	91	95	88	82	89	67	54	91
55	47	53	67	77	83	89	97	101	84	84	61	47	101
56	48	46	81	77	89	92	89	91	87	95	70	50	90
57	54	65	69	86	87	95	94	90	93	78	67	61	94
58	54	46	56	77	84	87	93	89	86	80	67	48	92
59	57	46	58	77	91	94	91	84	90	83	72	53	96
60	53	57	52	77	84	9	91	91	91	81	53	55	92
61	48	57	71	71	84	93	91	9	93	79	71	51	91
62	44	48	73	72	92	89	91	87	83	82	51	56	91
63	45	45	69	76	87	93	94	97	93	87	71	51	94
64	52	44	75	84	101	96	96	89	89	76	70	61	101
65	48	51	89	77	9	91	95	91	9	77	60	52	95
66	54	53	64	68	85	96	101	91	91	70	68	62	101
67	61	54	67	71	77	96	89	91	93	81	53	50	96
68	45	43	76	81	74	91	95	95	84	81	68	50	91
69	45	42	61	82	88	93	93	92	91	79		54	
70	44	50	56	50	90	9	9	93	91	75	60	61	93
MEAN													
S. D.													
TOTAL OBS.													

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

# (AT LEAST ONE DAY LESS THAN 24 OBS)



(FROM DAILY OBSERVATIONS)

STATION	STOVER AFB MA	41-51	YEARS
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WHOLE DEGREES FAHRENHEIT

[illegible]

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)  
JUL 64

# (AT LEAST ONE DAY LESS THAN 24 HRS)



AL CLIMATOLOGY BRANCH  
T/O  
NATHAN SERVICE/MAC

# EXTREME VALUES

STATION NAME

(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

STATION NAME

YEARS

YEARS

WIND DIRECTION

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
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90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN													
S. D.													
TOTAL OBS.													

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

# (AT LEAST ONE DAY LESS THAN 24 HRS)



U.S. AIR FORCE CLIMATOLOGY BRANCH  
 AFM 1-10  
 1-10-10 SERVICE 1-10-10

# EXTREME VA

CLIMATE REPORT

(FROM DAILY OBSERVATIONS)

STATION 1STOVL AFB MA STATION NAME 41-01 YEARS

## WIND DIRECTION FREQUENCY

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
1	-12	-6	15	10	31	31	43	31	31	31	16	7
2	-3	-7	5	12	11	34	43	32	31	11	2	1
3	-4	-5	17	23	33	31	49	47	23	21	14	-1
4	-2	-7	12	17	28	44	44	43	25	11	11	2
5	-4	-13	13	23	35	35	47	61	31	11	22	-1
6	-13	3	14	24	27	44	44	36	71	11	14	4
7	-4	2	13	28	34	41	43	41	31	14	23	-4
8	-4	-4	7	29	34	44	44	44	31	13	14	2
9	-4	-9	17	28	41	47	5	41	11	11	21	10
10	-4	5	7	24	4	44	32	2	34	21	12	-1
11	-4	6										
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
MEAN	-7.1	-4.4	4.7	2.9	31.3	4.0	47.7	14.0	32.3	22.2	11.1	1.1
S.D.	1.116	1.477	1.673	1.633	3.833	4.574	3.267	4.111	3.711	3.111	2.111	1.111
TOTAL OBS.	123	112	122	123	124	123	124	124	123	123	123	123

NOTES: \* (BASED ON LOTS THAT FULL REPORT)

USAF ETAC FORM 0-88-5 (OLA)  
 JUL 64

4 (AT LEAST ON 1000 FT. TALL)



AD-A110 237

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
WESTOVER AFB, CHICOPEE FALLS, MASSACHUSETTS REVISED UNIFORM SUM--ETC (U)  
OCT 81

UNCLASSIFIED

USAFETAC/DS-81/091

SBI-AD-E850 120

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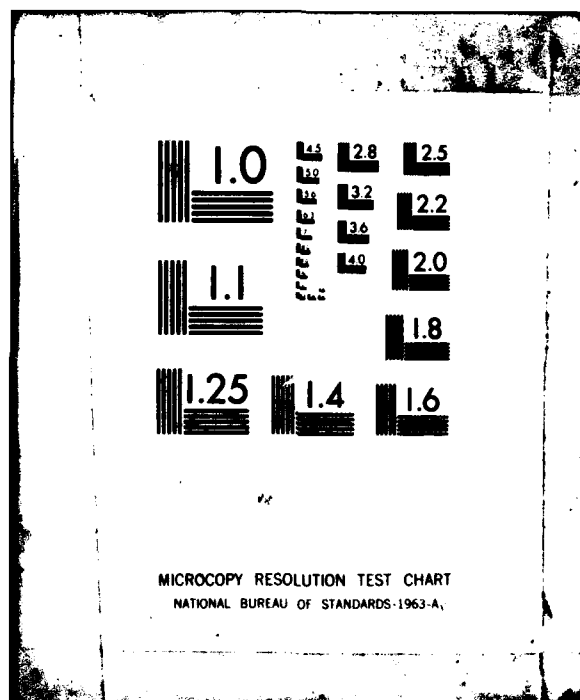
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2.4	.4	1.1	.2				
2.1	1.3	.2					
3.6	1.1	.2					
3.2	1.9	.4					
2.6	2.4	1.1					
4.3	2.1	.2					
3.0	4.5	.6					
1.9	1.9	.6					
1.7	1.7	.6					
2.1	1.1						
2.4	.6						
3.4	1.1						
2.4	1.7						
3.9	.4						
2.1	.4						
2.6	1.1						
3.4							
1.1							
.6							
1.1							



[illegible]



2

USE WITH CAUTION  
SEE FIRST PAGE

70.73-76.80

YEARS

**JAN**  
**MONTH**

PAGE 1 0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
51/27		.9	.2															5	5					
49/25		.2	.4															3	3	4				
47/43																				2				
45/41																				2				
44/43		.2																1	1	1				
42/41	.2	.6	.9	.2														9	9	2				
40/39		2.6	1.7	1.5														27	27	7				
37/37	.4	1.9	.9	.2														16	16	14				
35/35	.6	1.9	.4	.6														17	17	27				
33/33	.2	3.7	1.5	.4														27	27	17				
31/31		5.4	1.7	.2														34	34	35				
29/29	.4	4.7	1.5	.6														34	34	25				
27/27	.2	3.0	3.2	.2														31	31	32				
25/25		1.9	2.6	.2														22	22	23				
23/23		1.3	1.3	.9														16	16	26				
21/21		2.2	1.1															15	15	22				
19/19	.4	2.6	.9															18	18	20				
17/17	.4	3.2	.9															21	21	20				
15/15	.4	3.4	.9															22	22	19				
13/13		3.0	.9															18	18	23				
11/11	1.3	1.9																15	15	23				
9/9	1.1	1.3	.6															14	14	15				
7/7	.9	2.8	.4															19	19	13				
5/5	.6	2.2																13	13	16				
4/3	.9	1.7																12	12	16				
2/1	1.5																	7	7	13				
0/-1	2.4	.6																14	14	11				
-2/-3	1.3																	6	6	9				
-4/-5	1.7																	8	8	8				
-6/-7	.6	.2																4	4	4				
-8/-9	1.5																	7	7	7				
-10/-11	.9																	4	4	4				
-12/-13	.6																	3	3	3				
-14/-15	.4																	2	2	2				
Element (X)	Σx'		Σx		Σ		c <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature													
Rel. Num.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

REPRODUCTION OF THIS FORM AND CONTENT

**0-26-5 (OL A)**

**FROM**

USAFETAC



2

**USE WITH CAUTION**  
**SEE FIRST PAGE**

70.73-76.80

**YEARS**

**JAN**  
**MONTH**

PAGE 2 0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
-1/-17	.2																	1	1	1	4
-1/-19																					5
-1/-21																					3
-2/-23																					5
-2/-25																					1
-2/-27																					3
-2/-29																					1
INITIAL	19.4	53.5	21.9	5.2														465	465	465	465
																			</		



2

USE WITH CAUTION  
SEE FIRST PAGE

70-73-81

YEARS

JAN  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

[illegible]

**DELIVERED BY MAIL FOR NO EXTRA CHARGE**

**D-26-S (OL A)**

**USAFETAC**



2

**USE WITH CAUTION  
SEE FIRST PAGE**

70.73-81

YEARS

**JAN**  
**MONTH**

PAGE 2 0600-0800  
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**0-26-5 (OL A)**

**WV**

USAFETAC



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA STATION NAME

70.73-81

YEARS

JAN MONTH

PAGE 1 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
57 / 57			.1															1	1				
57 / 55		.1																1	1				
54 / 53	.4	.1	.1			.1												7	7	6	.5		
52 / 51		.3	.1															4	4	3			
51 / 49			.3	.2		.1												6	6	2	4		
49 / 47		.1		.7														7	7	3	3		
48 / 45		.1	.1	.2	.3													7	7	3	1		
46 / 43		.1	.7	.9														15	15	4	2		
42 / 41		.2	.5	.5	.1													13	13	12	4		
41 / 39		.8	.7	1.1	.2													25	25	12	1		
39 / 37	.1	1.6	1.4	.5	.3													37	37	23	11		
38 / 35	.3	2.3	1.9	1.2	.1													53	53	35	12		
36 / 33	.8	2.2	2.5	1.4	.2													65	65	54	27		
32 / 31	.1	2.3	2.2	2.2														62	62	44	41		
30 / 29		1.2	3.7	.7	.1													45	45	56	33		
29 / 27	.2	2.0	2.9	1.0														55	55	54	31		
28 / 25	.3	2.1	1.6	.8														44	44	65	36		
28 / 23	.2	1.5	2.1	.7														41	41	49	33		
27 / 21	.7	1.6	3.9	.3														60	60	55	26		
26 / 19	.3	2.7	5.3	.2														78	78	52	48		
25 / 17		2.7	3.8															60	60	71	54		
24 / 15		2.7	1.6															40	40	62	42		
24 / 13	.4	2.9	1.8															46	46	60	41		
21 / 11	.3	2.1	1.4															35	35	44	42		
20 / 9		2.2	.9															28	28	32	53		
19 / 7	.1	1.9	.7															24	24	39	49		
18 / 5	.3	1.4																16	16	22	29		
17 / 3	.3	1.9																17	17	17	63		
16 / 1	.1	.7																7	7	15	58		
15 / -1	.2	.3																5	5	7	31		
-2 / -3	.4																	4	4	7	21		
-4 / -5	.2	.1																3	3	3	16		
-6 / -7	.1																	1	1	1	18		
-8 / -9																					19		
Element (X)	Σ X <sup>2</sup>		Σ X		X	Σ X		No. Obs.		Mean No. of Hours with Temperature										Total			
Rel. Hum.										≤ 0 F	≤ 32 F	≥ 47 F	≥ 73 F	≥ 86 F	≥ 93 F								
Dry Bulb																							
Wet Bulb																							
Dew Point																							



2.

## YEARS

70-73-81

**NAME** \_\_\_\_\_

PAGE 2 0900-1100  
HOURS (L. S. T.)

**USAFETAC**  
FORM  
JAN 64  
**0-26-5 (OLA)**  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2

## PSYCHROMETRIC SUMMARY

YEARS

**JAN**  
**MONTH**

PAGE 1 1200-1400  
HOURS (L. S. T.)

[illegible]



2

**YEARS**

70.73-81

JAN  
MONTH

USAFETAC FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA

70.73-81

JAN  
MONTH

PAGE 1

1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
62/ 61						.1	.1											2	2					
59/ 59						.1	.1											2	2					
57/ 57						.1		.1										2	2					
55/ 55		.1			.2	.1												4	4					
54/ 53		.2	.1	.3		.3												9	9	3	2			
52/ 51	.1		.3		.1													5	5	2	2			
50/ 49	.1		.1			.4	.1	.1										8	8	8	1			
48/ 47		.1	.3	.1	.2	.3	.2											12	12	7	3			
46/ 45				.1	.7	.3												10	10	6	1			
44/ 43		.4	.5	1.2	.4	.2												26	26	5	4			
42/ 41		.2	1.1	1.6	.7													33	33	7	7			
40/ 39		.7	1.2	1.2	.8	.3												38	38	21	6			
38/ 37	.1	1.4	1.0	2.1	.3	.2												47	47	46	7			
36/ 35	.5	1.9	1.8	3.1	.9													74	74	47	12			
34/ 33	.4	.9	1.2	2.9	1.3													61	61	57	27			
32/ 31	.1	1.2	1.6	3.8	1.3													74	74	44	43			
30/ 29	.2	1.1	2.3	2.7	.7													64	64	64	27			
28/ 27	.1	2.0	2.6	3.8	.1													79	79	54	33			
26/ 25	.2	.8	5.3	3.5														89	89	88	44			
24/ 23	.2	1.6	2.5	.7														46	46	76	27			
22/ 21	.3	.4	3.6	1.0														49	49	104	45			
20/ 19		1.0	4.7	.7														58	58	62	55			
18/ 17		1.3	2.9															38	38	57	34			
16/ 15		.4	2.2															24	24	49	49			
14/ 13		.7	1.5															20	20	35	56			
12/ 11		.7	1.5															20	20	23	62			
10/ 9		.2	1.0															11	11	23	56			
8/ 7		.2																2	2	17	41			
6/ 5		.1																1	1	4	33			
4/ 3																				1	59			
2/ 1		.1																3	3		42			
0/ -1																				3	25			
-2/ -3																					34			
-4/ -5																					15			
Element (X)	Σ x <sup>2</sup>			Σ x		X	°s	No. Obs.		Mean No. of Hours with Temperature										Total				
Rel. Hum.										≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total		
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE







GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 ESTOVER AFB MA STATION NAME

70,73-81 YEARS

JAN MONTH

PAGE 1 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
57	.3																	3	3	3	3				
55		.1																1	1						
53		.5		.1	.1													7	7	3	3				
51					.2	.2												4	4	3					
49			.2			.2												4	4		3				
47		.2		.1	.2													5	5	1					
45		.2	.2		.3		.1											8	8	7	2				
43		.5	.4	.2	.2	.1												14	14		2				
41		.5	.8	.9	.1													21	21	13	3				
39	.1	.5	1.6	1.6	.2													38	38	13	5				
37	.4	1.9	1.5	.9	.2													45	45	22	11				
35	.1	1.9	1.6	1.1	.2													45	45	56	18				
33	.4	.9	1.6	1.1	.2													39	39	51	16				
31	.4	1.9	3.5	2.4	.1													76	76	33	41				
29	.1	1.6	4.7	2.1	.1													79	79	49	22				
27		1.4	3.6	2.1	.1													66	66	56	41				
25		2.0	4.1	1.4														68	68	75	40				
23	.3	.8	3.1	.8														45	45	63	23				
21	.7	2.2	4.0	.4														66	66	74	36				
19	.1	1.0	5.9	.1														65	65	68	59				
17	.2	1.4	3.5															47	47	5	31				
15		2.4	2.1															41	41	73	46				
13		1.9	3.1															45	45	42	62				
11	.2	1.6	1.3															29	29	42	66				
9		.4	1.3															16	16	33	50				
7		.8	.5															12	12	19	5				
5	.1	.7																7	7	15	36				
3	.1	.4																5	5	10	54				
1		1.0																9	9	6	49				
-1		.1																1	1	7	20				
-3																				1	25				
-5																					22				
-7																					19				
-9																					8				
Element (X)	Σ X <sup>2</sup>		Σ X		Σ	Σ	Σ	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F				Total					
Dry Bulb																									
Wet Bulb																									
Dew Point																									



## PSYCHROMETRIC SUMMARY

YEARS

**JAN**  
**MONTH**

1800-2000  
HOURS (L. E. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
- / -11																					10	
- / -13																					12	
- / -15																					7	
- / -17																					9	
- / -19																					7	
TOTAL	3.7	29.0	48.8	15.4	2.4	.5	.1													911	911	
																		911		911		



2

USE WITH CAUTION  
SEE FIRST PAGE

70.73-81

**YEARS**

JAN  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

[illegible]

**USAFETAC**  
FORM  
NO. 1  
**0-26-5 (QLA)**  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2

USE WITH CAUTION  
SEE FIRST PAGE

70.73-81

**YEARS**

**JAN**  
**MONTH**

PAGE 2 2100-2300  
HOURS (L. S. T.)

[illegible]

FORM NO. 10-66  
JULY 64

**USAFETAC**



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 ESTOVER AFB MA  
STATION STATION NAME

70.73-81  
YEARS

YEARS

JAN  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
61						.0	.0											4	4		
59					.0	.0	.0											4	4		
57	.1	.0	.0			.0	.0	.0										13	13	5	5
55	.0	.1	.0		.0	.0	.0											12	12	5	4
53	.1	.2	.1	.1	.0	.1	.0											36	36	15	13
51	.0	.2	.1	.0	.1	.0	.0	.0										31	31	19	7
49	.0	.1	.1	.1	.0	.1	.0	.0										31	31	20	14
47		.1	.1	.2	.1	.1	.0											86	86	24	16
45		.1	.0	.1	.4	.1	.0											50	50	34	15
43		.3	.0	.6	.2	.1												99	99	26	17
41	.0	.3	.7	.9	.3	.0												136	136	48	25
39	.0	1.0	1.1	1.0	.3	.1												221	221	103	22
37	.3	1.7	1.4	1.0	.2	.0												280	280	196	70
35	.3	2.1	1.4	1.5	.4	.0												353	353	309	96
33	.5	2.2	1.6	1.4	.4													367	367	329	166
31	.1	2.1	2.4	2.0	.4													433	433	312	255
29	.1	2.1	2.9	1.3	.2													404	404	347	242
27	.1	2.1	3.3	1.7	.0													442	442	381	247
25	.2	1.6	3.5	1.5														411	411	460	233
23	.3	1.4	2.9	.7														291	291	434	210
21	.5	1.8	3.2	.4														356	357	466	249
19	.2	1.8	4.2	.2														393	393	373	342
17	.2	2.0	2.7	.0														298	298	366	246
15	.2	2.3	1.9															264	264	360	317
13	.2	2.1	1.6															238	238	309	358
11	.3	1.8	1.1															197	197	251	320
9	.2	1.4	.9															152	152	203	326
7	.2	1.6	.4															135	135	180	298
5	.3	1.0																79	79	145	228
3	.4	.9																74	74	88	353
1	.3	.8																66	66	72	313
-1	.7	.2																57	57	79	165
-3	.4	.1																35	35	44	208
-5	.3	.2																30	30	29	139
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature								
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total		
Dry Bulb																					
Wet Bulb																					
Dew Point																					



2

1

**JAN**  
**MONTH**

ALL  
HOURS (L. S. T.)

**JSAFETAC**  
FORMA  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2

**USE WITH CAUTION  
SEE FIRST PAGE**

**YEARS**

PAGE 1 0000-0200  
HOURS (L. S. T.)

[illegible]

0-26-5 (OLA)  
SEVERAL PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**



## PSYCHROMETRIC SUMMARY

14703                      WESTOVER AFB MA  
STATION                      STATION NAME

70.73-76.78

**YEARS**

FEB  
MONTH

PAGE 2 0000-0200  
HOURS (L. S. T.)

[illegible]



2

USE WITH CAUTION  
SEE FIRST PAGE

70, 73-76, 78

**YEARS**

     FEB       
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

**USAFETAC**  
FORM  
JUL 64  
**0-26-5 (OLA)**  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

70.73-76.78

YEARS

     FEB       
MONTH

PAGE 2 0300-0540  
HOURS (L. S. T.)

[illegible]



2

**USE WITH CAUTION  
SEE FIRST PAGE**

70-73-81

**YEARS**

FEB  
MONTH

PAGE 1

0600-0800  
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**D-26-5 (OL A)**

USAFETAC



2

## 1

1

70-73-81

**YEARS**

     FEB       
MONTH

PAGE 2 0600-0800  
HOURS (L. S. T.)

[illegible]

0-26-5 (OL A)

**USAFETAC**



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA  
STATION STATION NAME

70.73-81

YEARS

FEB  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
2/ 61									.1									1	1				
1/ 59					.1		.1											2	2				
1/ 57		.2				.1	.1											4	4	2	1		
5/ 55		.1	.1															2	2	1	2		
4/ 53		1.2	.1	.1			.1											13	13	2	1		
2/ 51		.1		.1	.1													3	3	11	8		
5/ 49		.1	.1		.1	.4												6	6	2	3		
4/ 47		.2	.4	.6	.2	.1												13	13	5	1		
4/ 45		.5	.2	.1	.2	.1												10	10	7	5		
4/ 43		.5	.1	.9	.1	.1												15	15	11	5		
2/ 41		.9	.7	1.1	.9													31	31	11	6		
4/ 39		1.3	.5	1.5	1.3													39	39	15	9		
3/ 37	.1	1.9	1.8	2.1														49	49	27	5		
3/ 35	.1	1.2	1.3	1.8	.5													40	40	38	14		
3/ 33	.1	1.9	1.7	1.8	.9													54	54	58	24		
2/ 31	.1	1.5	2.4	2.5	.7													61	61	48	31		
5/ 29		1.2	3.7	2.4	.1													62	62	42	27		
2/ 27	.1	1.7	2.8	3.1														65	65	51	25		
6/ 25		1.5	3.1	1.9														54	54	76	36		
24/ 23		1.1	2.0	.9														34	34	76	32		
2/ 21	.1	1.7	4.2	1.1														59	59	49	50		
1/ 19	.1	1.5	3.9	.5														51	51	56	43		
13/ 17	.1	1.7	3.4	.1														45	45	60	36		
18/ 15		1.1	2.4															29	29	44	50		
14/ 13		1.3	2.1															29	29	41	45		
12/ 11		1.2	.7															16	16	26	27		
1/ 9	.2	1.1	.9															19	19	27	49		
6/ 7		1.2	.4															13	13	15	57		
6/ 5		.7																6	6	17	34		
4/ 3		1.1																9	9	7	45		
2/ 1		.8																7	7	10	33		
1/ -1	.1	.1																2	2	8	27		
1/ -3																					14		
1/ -5																					27		
Element (X)	Σ X'		Σ X		Σ	Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																							
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC FORM 0-26-5 (OLA) 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2

•

72, 73-81

YEARS

FEE  
MONTH

1

USAFETAC 0-26-5 (OL A) FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE















GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

14703                      WESTOVER AFB MA  
STATION                      STATION NAME

70-73-81

YEARS

FEB  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA STATION NAME

70.73-81 YEARS

FEB MONTH

PAGE 1 1800-2000 HOURS (L. S. T.)

Temp. (°F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.S./W.B.	TOTAL																										
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point																												
61									.1									1	1																													
59		.2																2	2	2																												
57		.1	.4		.1			.1		.1								6	6	1																												
55		.1	.2			.1	.1											5	5	2																												
53		.5	.1	.1	.1			.1										8	8	9																												
51		.4	.2	.4	.1													9	9	5																												
49		.2			.1		.1	.1										5	5	2																												
47		.4	.1	.4	.8	.1												15	15	7																												
45		.4	.2	.6	1.0	.4												21	21	3																												
43		.6	.4	.5	.1	.5												17	17	5																												
41	.2	.4	.4	1.3	.5	.1												24	24	3																												
39		1.1	1.4	1.9	1.2	.1												48	48	8																												
37		1.7	1.9	2.5	.6	.4												59	59	10																												
35	.1	1.3	2.4	3.4	.4													64	64	12																												
33		1.2	1.8	2.7	1.2													58	58	19																												
31	.4	1.3	2.5	4.9	1.3													87	87	39																												
29		.8	3.0	3.2	.2													61	61	24																												
27		1.2	2.1	3.2	.1													56	56	41																												
25		.2	3.3	1.9														46	46	35																												
23		.7	2.4	1.5														39	39	27																												
21	.1	1.0	3.3	1.2														47	47	44																												
19	.4	1.0	4.8	1.1														60	60	66																												
17	.2	.6	2.5	.2														30	30	21																												
15		1.0	1.5	.1														22	22	48																												
13	.1	.5	1.3															16	16	42																												
11		.5	1.0															12	12	55																												
9	.2	.4	.7															11	11	48																												
7		.2	.4															5	5	47																												
5																				7																												
3		.7																6	6	30																												
1		.1																1	1	37																												
-1																				1																												
-3																				16																												
-5																				13																												
Element (X)	Σ X'				Σ X				Σ				σ <sub>s</sub>				No. Obs.				Mean No. of Hours with Temperature																											
Rel. Hum.																					≤ 0 F				≤ 32 F				≤ 67 F				≤ 73 F				≤ 80 F				≤ 93 F				Total			
Dry Bulb																																																
Wet Bulb																																																
Dew Point																																																



2

5

**YEARS**

FEB  
MONTH

PAGE 7 1800-2000  
HOURS (L. S. T.)

**USAFETAC**  
FORM  
JAN 64  
**0-26-5 (OLA)**  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

14703 WESTOVER AFB MA STATION NAME

70.73-81

YEARS

FEB MONTH

PAGE 1 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (P)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point															
57		.1																	1	1															
56		.1																	1	1	2	2													
55		.1																	3	3	2	1													
54		.3	.1																9	9	3	3													
53	.3	.3	.3	.3			.1												9	9	3	3													
52		.4		.1															4	4	5	3													
51		.4	.4			.1													9	9	3	3													
50		.4			.3	.1													6	6	9	6													
49		.6	.7	.9	.6														19	19	7	3													
48	.4	.1	.6	1.0	.6														19	19	5	5													
47		1.2	1.3	1.6															28	28	8	8													
46		1.8	.7	1.5	.1	.4													31	31	30	2													
45	.1	.7	3.0	2.5															43	43	29	20													
44	.1	1.9	2.1	1.3															37	37	30	11													
43	.4	2.4	3.0	2.2															54	54	42	23													
42		2.1	3.7	1.6	.9														56	56	48	23													
41	.1	1.2	3.3	2.4	.1														48	48	50	20													
40		.9	3.7	.6															35	35	44	30													
39		1.3	3.1	.3															32	32	53	29													
38	.1	.9	4.6	.4															41	41	48	40													
37		3.3	7.1																70	70	41	43													
36		1.6	2.8																30	30	53	27													
35	.3	1.5	1.6	.1															24	24	56	22													
34		.7	1.5																15	15	23	37													
33		1.9	.7																18	18	16	46													
32	.4	1.3	.9																18	18	27	32													
31		.4	.3																5	5	17	42													
30		.3	.9																8	8	8	30													
29		.1	.6																5	5	6	35													
28		.1	.4																4	4	5	28													
27		.1																	1	1	4	30													
26	.1	.1																	2	2	1	15													
25																					1	18													
24																						6													
23																						6													
Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	C <sub>2</sub>	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 92 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
USAFETAC



2

**USE WITH CAUTION**  
**SEE FIRST PAGE**

**YEARS**

FE6  
MONTH

PAGE 2

2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.S.	Dry Bulb	Wet Bulb	Dew Point	
- / -11																					2	
-1 / -13																					2	
-1.4 / -15																					5	
-1.6 / -17																					7	
-1.8 / -19																					4	
-2 / -21																					1	
TOTAL	3.4	30.5	45.6	17.0	2.8	.7												676	676	676	676	



## PSYCHROMETRIC SUMMARY

FEB  
MONTH

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
60/ 67										.0								1	1					
56/ 65							.1		.1									6	6					
54/ 63					.0	.0			.0									4	4					
52/ 61		.1		.1	.0	.0			.0									9	9					
50/ 59		.1	.0		.0	.0	.1	.1	.0	.0								18	18	8	5			
48/ 57		.1	.1	.0	.1	.1	.0	.0	.0	.0								26	26	3	5			
50/ 55		.1	.1	.0		.0	.0		.0									15	15	12	4			
48/ 53		.5	.1	.0	.0	.0	.1		.0									45	45	30	15			
42/ 51	.0	.3	.1	.1	.1	.2	.0											44	44	31	31			
50/ 49		.2	.1	.0	.2	.2	.0	.0										40	40	30	17			
48/ 47		.3	.2	.2	.4	.3	.1											85	85	26	19			
46/ 45		.4	.1	.4	.6	.5	.0											112	112	44	25			
44/ 43		.5	.3	.8	.8	.5	.7	.0										157	157	52	25			
42/ 41	.1	.7	.5	1.2	.9	.1	.1											198	198	92	38			
40/ 39	.2	1.0	.9	1.6	1.0	.1	.0											264	264	115	61			
38/ 37	.1	1.4	1.3	1.7	.7	.2												292	292	217	40			
36/ 35	.2	1.4	1.8	2.3	1.0	.3												374	374	277	89			
34/ 33	.2	1.7	1.7	2.2	1.1	.1												377	377	360	137			
32/ 31	.2	1.4	2.0	2.7	.8													363	383	329	203			
30/ 29	.0	1.4	2.4	2.5	.5													369	369	342	151			
28/ 27	.1	1.8	2.2	2.8	.1													376	376	374	214			
26/ 25	.0	1.1	2.6	1.7														295	295	442	244			
24/ 23	.0	1.1	2.1	1.4														249	249	397	228			
22/ 21	.2	1.6	3.3	1.1														333	333	365	271			
20/ 19	.2	1.7	3.6	.7														340	340	353	325			
18/ 17	.1	1.4	2.2	.3														213	213	342	262			
16/ 15	.0	1.2	1.6	.0														155	155	292	279			
14/ 13	.1	1.1	1.5															148	148	193	273			
12/ 11	.1	1.2	.9															119	119	146	270			
10/ 9	.3	1.4	1.0															143	143	166	272			
8/ 7	.1	.9	.2															64	64	141	305			
6/ 5	.2	.5																35	35	79	241			
4/ 3	.2	.8																55	55	47	242			
2/ 1	.1	.6																36	36	52	248			
Element (X)	Σ x'		Σ x		Σ		Σ <sub>n</sub>		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								



## PSYCHROMETRIC SUMMARY

**YEARS**

EEE

**MONTH**

ALL  
HOURS (L. S. T.)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

14723 ESTOVER AFB MA STATION NAME

69-70, 73-75 YEARS

MAR  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
1 / 57				.2	.4													3	3		
5 / 55		.8																2	2		
14 / 53		.2																1	1	3	
27 / 51																				2	3
5 / 49		.2																1	1	1	
11 / 47	.2	.2	.4			.2	.2											6	6	3	2
14 / 45		.9	1.1	.4		.2												12	12		2
14 / 43	1.3	.4		1.3	.2													15	15	14	8
22 / 41		.9	.6	1.3														13	13	7	5
4 / 39	.9	2.2	.6	1.9	.4													28	28	13	14
31 / 37	1.7	3.0	.4	1.5														31	31	29	8
31 / 35	1.3	2.2	4.1	2.2	.6													48	48	29	19
34 / 33	.6	4.1	5.6	2.8	.4													63	63	28	19
12 / 31	.9	4.1	4.1	1.1	.2													48	48	60	21
1 / 29	.4	3.4	4.3	2.2														48	48	56	32
23 / 27		3.0	3.0	.9														32	32	49	21
1 / 25		3.4	4.9	.2														40	40	46	35
24 / 23		3.4	2.2	.4														28	28	36	46
2 / 21		.4	1.1	1.1														12	12	35	27
1 / 19		.9	1.7	.2														13	13	10	39
1 / 17		1.1	1.7															13	13	16	29
11 / 15	.2	.4	.2															4	4	16	27
14 / 13		.4																2	2	9	26
12 / 11	.4																	2	2	3	19
1 / 9																					20
1 / 7																					10
5 / 5																					8
4 / 3																					8
2 / 1																					6
1 / -1																					5
-4 / -5																					1
-6 / -7																					5
TOTAL	8.0	35.3	36.1	17.6	2.4	.4	.2											465	465	465	465
Element (X)	Σg'		Σg		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.	2367230		32228		69.316.968		465		≤ 0 F		≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb	498893		14813		31.9 7.630		465				48.4					93					
Wet Bulb	415874		13454		28.9 7.572		465				67.2					93					
Dew Point	288374		10358		22.310.753		465		2.2		77.0					93					



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

14703 WESTOVER AFB MA  
STATION STATION NAME

69-70, 73-75  
YEARS

MAR  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point	
57					.6													3	3			
53		.6																3	3			
51																				3		
49	.2		.2															2	2	4		
47	.4			.2														3	3	2		
45	.4		.4	.2			.4											7	7	3		
43	.9		.4				.2											7	7	5		
41	.4	.6	1.1															10	10	6		
39	.6	2.8	1.1	.6														24	24	14		
37	1.5	2.6	1.7	1.1	.2													33	33	25		
35	2.4	3.0	2.4	1.9														45	45	27		
33	.4	4.5	3.7	1.7	.6													51	51	29		
31	.2	3.4	3.9	2.2														45	45	53		
29	1.1	4.1	3.9	1.1														47	47	46		
27	.4	4.9	2.4	2.2														46	46	46		
25	.2	3.2	3.9	.2														35	35	47		
23	.9	1.9	1.7															21	21	37		
21	.4	4.5	1.3	.9														33	33	38		
19		.9	1.5	.2														12	12	24		
17	.4	1.5	1.5	.2														17	17	13		
15		1.9	.9															13	13	29		
13		.6	.4															5	5	14		
11																				5		
9	.2																	1	1	2		
7	.2																	1	1	1		
5	.2																	1	1	1		
3																						
1																						
-1																						
-3																						
-5																						
-7																						
-9																						
-11																						
Element (X)	Σ X'		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										Total	
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F						
Dry Bulb																						
Wet Bulb																						
Dew Point																						







2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

1073 ESTOVER AFB MA  
STATION STATION NAME

69-70, 73-80  
YEARS

MAR  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point			
1 / 59				.3																2	2			
2 / 57					.1															1	1			
5 / 55		.1		.1																2	2			
4 / 53		.4	.3																	5	5			
2 / 51		.4	.1																	4	4	6	6	
5 / 49	.4	.5	.4	.1	.3															13	13	8	3	
1 / 47		.5	.4	.4	.3															12	12	7	8	
4 / 45		.1	.3	.5																7	7	4	7	
4 / 43	.5	1.6	1.3	1.0	.1															33	33	16	6	
2 / 41	.5	2.3	1.6	.6	.3															41	41	27	10	
4 / 39	.6	1.3	2.2	2.1	.3	.3														52	52	32	26	
3 / 37	.8	2.1	2.3	1.2	.5															53	53	38	17	
2 / 35	.9	2.8	2.6	2.5	.1															69	69	53	27	
3 / 33	.1	4.9	4.4	2.3	.1															92	92	65	26	
2 / 31	.5	4.1	3.7	2.7																80	80	84	60	
1 / 29	.3	3.9	2.6	1.9																67	67	79	56	
1 / 27	.4	2.7	2.7	1.6																57	57	72	55	
1 / 25	.1	1.7	1.8	.9																30	30	62	65	
1 / 23	.1	1.7	2.3	.4																35	35	41	47	
2 / 21	.4	2.1	.9	.6																31	31	45	36	
1 / 19	.1	1.7	1.4	.3																27	27	42	50	
3 / 17	.1	1.8	1.3																	25	25	24	37	
1 / 15		.9	1.2																	16	16	22	43	
4 / 13	.1	.8	.3																	9	9	19	31	
1 / 11	.1	.3	.3																	5	5	14	32	
1 / 9		.1	.1																	2	2	4	26	
2 / 7		.1	.1																	2	2	4	31	
6 / 5	.3																			2	2	3	16	
4 / 3																							15	
1 / 1																							10	
1 / -1																							12	
1 / -3																							4	
4 / -5																							5	
6 / -7																							3	
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



25

USE WITH CAUTION  
SEE FIRST PAGE

69-7C, 73-8C

MAF  
MONTH

PAGE 2 0600-0800  
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**0-26-5 (OL A)**

**Notes**

**USAFETAC**



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

14723 WESTOVER AFB MA  
STATION STATION NAME

69-7C.73-80

YEARS

MAR  
MONTHPAGE 1 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL																																						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point																																								
6/ 75								.1										1	1																																									
7/ 69						.1												1	1																																									
6/ 65								.1										1	1																																									
4/ 63				.1	.1	.1		.1										4	4																																									
2/ 61						.3		.1										4	4	2																																								
1/ 59					.3	.2												5	5																																									
1/ 57			.1	.5	.4	.2	.1											13	13	1																																								
5/ 55		.1		.3	.6	.3	.6											13	13	1	1																																							
4/ 53		.1	.4	.1	.4	.4	.1	.1										16	16	7	2																																							
2/ 51		.4	.1	.5	.5	.2												17	17	17	4																																							
5/ 49	.3	.8	.4		.9	.8	.2											31	31	17	9																																							
4/ 47	.1	.8	.3	1.0	1.3	.8												36	36	14	11																																							
4/ 45	.2	1.1	.4	1.6	1.5	.6	.3											54	54	19	20																																							
4/ 43	.5	1.6	1.2	2.7	2.5	1.1	.1											90	90	44	19																																							
2/ 41	.1	.4	1.2	2.5	1.9	.5	.1											63	63	43	19																																							
1/ 39		1.7	3.1	2.8	2.8	.3	.1											101	101	59	15																																							
3/ 37	.1	1.8	1.5	2.5	.9	.2												65	65	78	23																																							
2/ 35		2.3	2.4	2.5	2.6													90	90	92	40																																							
34/ 33		2.9	1.7	2.3	1.0	.1												74	74	111	42																																							
2/ 31		1.5	1.9	3.4	1.5													78	78	80	69																																							
1/ 29		.6	1.5	2.0	.9													47	47	68	64																																							
23/ 27		.6	1.6	1.4	.3													37	37	74	69																																							
2/ 25		.3	1.7	1.2														30	30	54	55																																							
24/ 23		.1	.8	1.0														17	17	51	50																																							
2/ 21			1.1	1.2														21	21	35	61																																							
1/ 19		.3	.6	.3														12	12	20	51																																							
15/ 17		.2	.2															4	4	26	38																																							
16/ 15			.2															2	2	9	43																																							
14/ 13			.1															1	1	3	43																																							
12/ 11			.2															2	2	2	51																																							
1/ 9																				1	26																																							
6/ 7																				2	21																																							
6/ 5																					14																																							
4/ 3																					13																																							
Element (X)	$\Sigma X'$					$\Sigma X$					$\bar{X}$					$\sigma_X$					No. Obs.					Mean No. of Hours with Temperature																																		
Rel. Hum.																										$\leq 0 F$					$\leq 32 F$					$\leq 67 F$					$\leq 73 F$					$\leq 80 F$					$\leq 93 F$					Total				
Dry Bulb																																																												
Wet Bulb																																																												
Dew Point																																																												



## PSYCHROMETRIC SUMMARY

14703                      WESTOVER AFB MA  
STATION                      STATION NAME

69-73, 73-80

YEARS

MAR  
MONTH

PAGE 2 0904-1100  
HOURS (L. S. T.)

[illegible]



[illegible]



## PSYCHROMETRIC SUMMARY

MAR  
MONTH

PAGE 7 1200-1400  
HOURS (L. S. T.)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14773 ESTOVER AFB MA STATION NAME

69-70, 73-80 YEARS

MAR MONTH

PAGE 1 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
1/ 79									.2									2	2		
2/ 75							.1											1	1		
3/ 73							.1	.1	.1									3	3		
4/ 71							.1			.1								2	2		
5/ 69							.1		.1	.3								5	5		
6/ 67							.1		.2									3	3		
6/ 65					.2	.1	.1	.2	.2									8	8	1	
4/ 63	.3					.2	.4	.4	.4	.1								18	18	5	3
2/ 61				.1		.1	.2	.4	.3	.1								12	12	3	
1/ 59				.1	.5	.2	.5	.8	.1	.2								23	23		
2/ 57			.3	.6	.2		.8	.6		.1								25	25	5	1
5/ 55			.3	.4	.1	.5	.3											16	16	4	2
4/ 53		.1	.5	.2	.6	.9	1.0	.3	.2									36	36	16	1
2/ 51		.6	.2	.8	.5	.2	1.1	.9										40	40	21	8
50/ 49		1.2	.2	.3	1.3	1.9	1.7	.4										66	66	28	9
4/ 47	.1	1.0	.6	.5	1.6	1.8	.8	.5										65	65	32	21
4/ 45	.2	.3	1.2	.4	1.9	1.1	2.4											70	70	50	17
4/ 43	.1	1.1	1.0	1.1	2.3	1.7	.9											75	75	38	22
2/ 41		.9	.6	1.2	2.4	2.0	.5											71	71	61	18
4/ 39		1.5	1.1	1.7	3.0	1.3	.2											82	82	75	24
33/ 37		1.7	.4	2.3	2.6	1.1												75	75	92	28
26/ 35	.1	1.3	1.2	1.9	1.9	.8												67	67	79	46
34/ 33		.9	1.1	1.7	1.7													49	49	104	45
22/ 31		.9	.3	1.9	1.6													44	44	88	40
3/ 29		.2	.4	1.4	1.0													28	28	65	49
26/ 27		.2	.2	1.3	.3													19	19	50	76
26/ 25		.6	.1	.3	.2													12	12	39	47
24/ 23		.3	.2	.5														10	10	42	50
2/ 21				.2														2	2	16	47
2/ 19			.1															1	1	9	52
18/ 17																				6	48
16/ 15																				1	49
14/ 13																					47
12/ 11																					55
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature						Total		
Rel. Hum.													≤ 6 F	≤ 22 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OLA) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2

2

     MAR       
MONTH

1500-1700  
HOURS (L. S. T.)

**USAFETAC**  
FORM  
JUL 64  
**0-26-5 (OLA)**  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2

## 1

**YEARS**

     MAR       
MONTH

1

( ( ( ( ( ( ( (







GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

14703 WESTOVER AFB MA STATION NAME

69-70.73-AD

YEARS

MAR  
MONTH

PAGE 1

2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL												
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
62/ 61			.3	.3														4	4															
61/ 59			.1															1	1															
60/ 57			.1	.3			.1											4	4	3														
59/ 55		.3	.3	.4	.1	.3												10	10	2	2													
4/ 53		.4	.5	.3	.1			.1										11	11	6	1													
2/ 51		.5	.1	.3	.1	.1		.1										10	10	7	5													
5/ 49		.6	.1	.5	.4													13	13	11	8													
4/ 47	.1	.1	.3	.4	1.2	.1												17	17	10	11													
4/ 45	.8	1.7	1.0	.9	.6													39	39	17	15													
4/ 43		.9	1.2	2.2	.3													35	35	18	6													
2/ 41	.4	1.3	1.0	2.2	.8	.5												48	48	31	18													
4/ 39		1.7	1.2	3.2	1.4	.1												59	59	37	15													
3/ 37	1.3	2.3	2.5	3.1	.9													78	78	62	25													
3/ 35	.6	2.5	3.1	3.7	1.0													85	85	58	38													
34/ 33		2.6	3.9	3.4	.5													80	80	66	28													
32/ 31		1.8	3.6	4.0	.9													80	80	77	43													
31/ 29		1.4	2.5	1.7														43	43	78	45													
30/ 27		.5	3.6	2.2	.1													50	50	78	54													
28/ 25	.3	1.7	2.1	.9	.3													40	40	62	41													
24/ 23	.3	.9	1.3	1.2														28	28	53	42													
2/ 21	.3	.3	1.4	.3														17	17	36	59													
1/ 19		.8	1.0	.5														18	18	29	57													
13/ 17			.6															5	5	20	41													
16/ 15																				13	57													
14/ 13																					1	37												
12/ 11																							22											
11/ 9																							32											
8/ 7																							18											
6/ 5																							14											
4/ 3																							9											
3/ 1																							15											
2/ -1																							3											
-1/ -3																							3											
-4/ -5																							2											
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																																		
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		



PAGE 2 2100-2300  
HOURS (L. S. T.)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14733 ESTOVER AFB MA STATION

69-70, 73-80 YEARS

MAR MONTH

PAGE 1

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
71/ 83											.0	.0						2	2						
70/ 79										.0	.0							3	3						
69/ 75								.0	.0									2	2						
68/ 73								.0	.0	.0								4	4						
67/ 71					.0			.0	.0	.0	.0							4	4						
66/ 69					.0	.0	.0	.0	.0	.0	.1							10	10						
65/ 67				.0	.0	.0	.0	.0	.1	.1								11	11						
64/ 65				.0	.0	.0	.0	.1	.1	.1								21	21	1					
63/ 63	.1			.0	.0	.0	.1	.1	.1	.0	.0							32	32	9	4				
62/ 61			.0	.1	.1	.1	.1	.2	.1	.0								37	37	8					
61/ 59		.0	.0	.1	.2	.1	.2	.2	.0	.0								64	64	3					
60/ 57		.0	.1	.3	.3	.3	.3	.2	.0	.0	.0							84	84	15	3				
59/ 55		.1	.2	.2	.1	.4	.3	.1	.0									92	92	17	8				
58/ 53		.3	.3	.2	.3	.3	.3	.1	.0									109	109	57	9				
57/ 51	.0	.4	.2	.3	.3	.3	.4	.2										124	124	91	41				
56/ 49	.1	.8	.3	.3	.3	.7	.5	.1	.0									227	227	109	44				
55/ 47	.2	.6	.5	.7	1.1	.7	.3	.1										248	248	130	94				
54/ 45	.3	.6	.7	.9	1.3	.7	.6	.0										318	318	165	95				
53/ 43	.4	1.1	1.2	1.5	1.4	.9	.4											413	413	203	112				
52/ 41	.2	1.2	1.7	1.5	1.3	1.0	.2											400	400	295	105				
51/ 39	.2	1.7	1.6	2.3	1.9	.6	.0											523	523	363	132				
50/ 37	.5	1.9	1.5	1.8	1.3	.4												461	461	480	161				
49/ 35	.5	2.2	2.2	2.6	1.5	.2												566	566	535	275				
48/ 33	.1	2.5	2.6	2.4	1.1	.1												545	545	580	263				
47/ 31	.1	1.9	2.1	2.7	1.0	.0												483	483	607	370				
46/ 29	.1	1.6	1.7	1.7	.5													353	353	544	384				
45/ 27	.1	1.3	1.7	1.6	.2													306	306	483	427				
44/ 25	.1	1.1	1.6	.8	.1													233	233	423	364				
43/ 23	.1	.9	1.0	.6														161	161	359	367				
42/ 21	.1	.7	.7	.7														137	137	254	373				
41/ 19	.0	.6	.8	.2														92	92	164	377				
40/ 17	.0	.6	.5	.0														64	64	121	316				
39/ 15	.0	.4	.3															35	35	95	346				
38/ 13	.0	.2	.1															17	17	46	330				
Element (X)	Σ X					Σ X					Σ X					Σ X					Σ X				
Rel. Hum.																									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OLA) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE







USE WITH CAUTION  
SEE FIRST PAGE

147.3                      WESTOVER AFB MA  
STATION                      STATION NAME

69-70, 73-75

YEARS

APR  
MONTH

PAGE 1

0000-0245  
HOURS (L. S. T.)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFM WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY USE WITH CAUTION SEE FIRST PAGE

14703 WESTOVER AFB MA

69-70, 73-75

APR  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
67 / 67					.2													1	1		
67 / 65				.2														1	1		
64 / 63				.7	.2													4	4		
62 / 61			.2	.4														3	3		
59 / 59			.2	.4	.7													6	6	3	
57 / 57		1.1	.2															6	6	5	
55 / 55		2.7	.2	.9	.2													18	18	13	6
47 / 53	.2	.9	1.6	.4			.4											16	16	12	14
27 / 51		.2	.9	.4	.2	.7	.2											12	12	7	13
57 / 49		1.1	.4	.7	.2													11	11	17	3
47 / 47	1.1	1.1	1.1	2.0	.4													26	26	14	10
45 / 45	.7	1.3	1.8	1.6	.2													25	25	12	14
44 / 43	.4	1.1	3.1	4.0	1.3													45	45	20	21
42 / 41	.9	1.6	2.2	2.2	.4													33	33	38	13
41 / 39	1.3	1.3	3.6	.4	.7													33	33	42	16
35 / 37	.7	.2	1.8	.9	.2													17	17	33	28
35 / 35		.7	1.6	1.1	.2													16	16	27	21
34 / 33	1.1	3.3	2.7	2.2	.2													43	43	19	20
32 / 31		2.4	4.9	.9														37	37	29	21
31 / 29		5.8	4.2	.7														48	48	38	41
29 / 27	.2	4.0	.2															20	20	60	36
29 / 25	.2	2.7	.2															14	14	35	30
24 / 23		1.3																6	6	14	29
21 / 21		.2	.2															2	2	4	27
19 / 19		.7																3	3		36
13 / 17		.2																1	1	5	26
15 / 15		.4																2	2		12
14 / 13																				2	3
10 / 11																					5
9 / 9	.2																	1	1	1	2
7 / 7																					1
5 / 5																					2
TOTAL	7.1	34.4	31.3	20.2	5.6	.7	.7											450	450	450	450
Element (X)	ΣX'		ΣX		X	ΣX		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.	247390		32740		72.8	14.312		450		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb	743290		17740		39.4	9.892		450			26.8	.2				90					
Wet Bulb	627932		16274		36.2	9.367		450			37.6					90					
Dew Point	484692		13926		30.9	10.939		450			54.2					90					



2  
1

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

STATION 69-70.73-80 ESTOVER AFB MA STATION NAME

69-70.73-80

YEARS

APR  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
71								.1										1	1		
69						.5	.1											5	5		
67					.4		.1											4	4		
65				.3	.3	.1												5	5		
61	.1	.1	.4	.3	.1	.4	.1											12	13	1	1
59		.4	1.1	.1	.5	.1	.1											18	18	8	
57	.1	.8	.5	.3	.3	.1	.1											17	17	15	2
55		1.2	.7	.5	.4	.1	.7											27	27	19	10
53	.1	.9	.1	.4	.3	1.2	.3											25	25	21	20
51		.8	1.8	.9	1.2	.8												42	42	14	19
49	.3	1.6	.7	1.2	1.2	1.0	.3											47	47	20	21
47	.4	1.0	.8	3.0	1.8	.5												58	58	38	11
45	.7	1.3	2.5	1.4	2.1	.4												63	63	35	27
43	.3	2.1	2.6	4.2	1.3	.5												84	84	55	33
41	1.0	1.4	3.7	3.1	1.3	.4												84	84	85	27
39	.7	1.0	1.4	2.3	1.4	.3												55	55	84	38
37	.5	1.3	2.1	1.8	.9													51	51	74	45
35	.1	1.7	1.0	2.3	.3													42	42	61	51
33	.3	1.7	2.5	1.2	.3													45	45	60	53
31		1.0	2.9	.8	.1													37	37	47	65
29	.1	1.0	1.2	.3														20	20	54	50
27	.1	.7	.1															7	7	37	63
25		.4	.3	.1														6	6	19	44
23	.1	.4		.1														5	5	8	30
21			.1															1	1	3	32
19		.3																2	2	5	54
17		.3																2	2		31
15																				2	13
13																					10
11	.1																	1	1	1	8
9																					2
7																					4
-1																					2
Element (X)	Σ x'			Σ x			Σ	σ <sub>n</sub>	No. Obs.		Mean No. of Hours with Temperature										Total
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA STATION NAME

69-70, 73-80 YEARS

APR MONTH

PAGE 1 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point				
6/ 85											.1							1	1					
4/ 83										.1	.1	.1						3	3					
2/ 81									.1	.1								1	1					
/ 79								.1	.1	.1								3	3					
7/ 77								.1	.1	.2								3	3					
5/ 75						.2		.3	.2									7	7					
4/ 73						.1	.1	.2	.1	.1								6	6					
/ 71						.1	.4	.2	.2	.2								11	11					
/ 69						.6	.2	.6	.6	.3								20	20					
6/ 67				.3	.3	.3	.1	.3	.6									18	18	1				
6/ 65			.1	.7	.2	.2	.6	.1	.3	.1								21	21	5				
4/ 63			.4	.3	.2	.3	.4	.7	.2									24	24	6				
2/ 61		.2	.6	.1	.3	.6	.3	1.0	.3	.1								32	32	15				
/ 59		.4	.4	.3	.9	.3	1.4	1.2	.6									51	51	23				
/ 57		.1	.6	.7	.7	.8	2.1	1.2	.2									57	57	25				
5/ 55	.1	.1	.3	.9	.4	1.2	1.6	.4	.2									48	48	20				
4/ 53	.1	.1	.4	.6	.9	2.4	1.3	.7										59	59	36				
2/ 51	.3		1.0	.6	1.1	2.0	2.2	.2										67	67	34				
5/ 49		.7	.6	.8	1.2	1.6	1.6	.3										60	60	45				
4/ 47		.6	1.2	1.6	2.4	1.4	1.3											77	77	52				
4/ 45	.2	1.9	2.2	.9	2.0	2.6	1.4											101	101	85				
4/ 43	.3	1.2	1.9	1.6	1.4	1.8												74	74	99				
2/ 41	.1	.6	.7	.4	1.0	.9												33	33	93				
4/ 39	.2	.8	.8	1.0	1.8	.3												44	44	91				
3/ 37	.1	1.0	.2	1.0	.4	.2												27	27	74				
2/ 35		.9		1.0	.9													25	25	77				
3/ 33		.3	.2	.3	.4													12	12	45				
2/ 31		.4	.3	.1	.3													11	11	28				
7/ 29			.1	.1	.1													3	3	25				
2/ 27		.1																1	1	11				
6/ 25																				7				
2/ 23																				2				
2/ 21																				1				
2/ 19																								
Element (X)	$\Sigma X^1$				$\Sigma X$				$\bar{X}$				$\sigma^2$				No. Obs.				Mean No. of Hours with Temperature			
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								



## PSYCHROMETRIC SUMMARY

**APR**  
**MONTH**

PAGE 2 0900-1100  
HOURS (L. S. T.)

[illegible]



2

1

69-70, 73-80

YEARS

APR  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA) JAN 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2

## YEARS

APR  
MONTH

1994年11月6日

**USAFETAC**  
FORM  
JUL 64  
0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA STATION NAME

69-70, 73-80 YEARS

APR MONTH

PAGE 1 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point															
4/ 93															.1	.1			2	2															
5/ 91																.1	.2			3	3														
6/ 89													.1	.1					2	2															
7/ 87												.2		.1					3	3															
8/ 85													.1						1	1															
9/ 83											.3	.1			.1				5	5															
10/ 81										.1			.2	.4					7	7															
11/ 79								.2	.1	.1	.4	.3		.1	.1				13	13															
12/ 77									.1	.8	.2	.2	.2						14	14															
1/ 75								.2	.2	.2	.1	.6	.1	.1					14	14															
2/ 73						.3	.2	.2	.2	.2	.6	.2							18	18															
3/ 71				.1	.1	.1	.1	.2	.1	.3	.9	.2							20	20															
4/ 69				.1	.1		.2	.1	.8	1.2	.3								26	26															
5/ 67					.3	.1	.6		.2	1.7	.8								33	33															
6/ 65			.1	.2	.3	.8	1.3	1.0	1.2	1.7	.4								64	64															
7/ 63				.1	.1	.7	.9	.3	.9	1.0									36	36															
8/ 61		.2	.4		.6	.1	.3	.9	1.4	1.6									50	50															
9/ 59		.3	.3	.3	.2	.4	.3	2.6	1.9	.6									63	63															
10/ 57		.1	.4	.3	.4		1.9	2.3	1.6										64	64															
11/ 55			.6	.1	.1	.9	1.0	2.8	.7										55	55															
12/ 53		.2	.6	.3	.2	1.2	1.8	1.7	.7										60	60															
1/ 51		.2	.7	.2	.6	1.4	1.4	1.2											52	52															
2/ 49	.8	.3	.8	.2	.6	.6	.6	.7											40	40															
3/ 47	.1	.4	.4	.9	.9	1.1	.4	.7											45	45															
4/ 45		1.3	1.3	1.2	1.1	1.9	.9												70	70															
5/ 43		1.7	1.8	.8	.4	.9	.8												57	57															
6/ 41	.2	.7	1.2	.2	.9	.4	.2												35	35															
7/ 39	.2	.4	.3	.3	.4	.1													17	17															
8/ 37		.3		.7	.4														13	13															
9/ 35		.9		.6															13	13															
10/ 33				.1															1	1															
11/ 31		.2		.1															3	3															
12/ 29		.1																	1	1															
1/ 27																																			
Element (X)	Σ X'			Σ X			Σ		Σ		No. Obs.		Mean No. of Hours with Temperature																						
Rel. Hum.													≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total										
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			



## PSYCHROMETRIC SUMMARY

YEARS

APR  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14723 WESTOVER AFB MA 69-70, 73-80 APR  
STATION STATION NAME YEARS MONTH  
PAGE 1 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
1 / 89													.1						1	1					
6 / 85												.1							1	1					
7 / 81										.1									1	1					
7 / 79							.1		.2	.1	.2								6	6					
7 / 77							.1		.3										4	4					
6 / 75					.1		.1	.2	.1	.1	.1	.1							8	8					
4 / 73						.1	.1	.1	.1	.1	.2								7	7					
7 / 71				.1	.1	.1	.2	.2	.1		.1								9	9					
7 / 69					.2	.1	.7	.1	.3	.1									14	14					
6 / 67				.1	.2	.2	.2	.7	.3	.4	.1								21	21	2				
6 / 65			.1	.2		.4	.3	.1	.7	.4									21	21	5				
4 / 63			.2	.2	.2	.8	.6	1.0	1.0	.3									39	39	7				
2 / 61		.1	.4	.4	.8	.4	.4	1.3	.7										42	42	12				
7 / 59		.6	.6	.3	.6	1.0	1.3	.9	.7	.2									55	55	18				
7 / 57		.2	.9	1.1	.4	.3	1.2	1.0	.7										53	53	25				
5 / 55		.4	.8	.7	.2	.8	1.3	2.0	.3										59	59	26				
4 / 53		.2	.6	.4	.3	1.1	1.6	1.0											47	47	40				
2 / 51		.2	.6	.1	1.1	1.7	2.9	1.1											69	69	40				
5 / 49	.3	.2	.8	.2	1.3	1.9	1.3	.4											59	59	58				
4 / 47	.4	.8	.6	1.0	1.9	2.2	.7	.1											69	69	55				
4 / 45		.8	1.2	1.2	1.6	1.4	.9												64	64	59				
4 / 43		2.3	1.9	1.2	1.4	.8	.4												73	73	66				
2 / 41	.1	.9	2.1	.8	1.0	1.2	.4												59	59	119				
4 / 39	.7	.4	1.2	1.1	2.0	.3	.1												53	53	104				
3 / 37	.1	.7	.2	.9	.4	.2													23	23	88				
2 / 35	.3	.9	.1	1.0	.1														22	22	56				
3 / 33			.2	.6															7	7	47				
2 / 31		.2	.3	.9															9	9	37				
7 / 29		.2	.3																5	5	18				
2 / 27																					13				
7 / 25																					5				
2 / 23																									
2 / 21																									
7 / 19																									
Element (X)	Σ x <sup>2</sup>		Σ x		Σ		°		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									



## PSYCHROMETRIC SUMMARY

APR  
MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

14703 ESTOVER AFB MA STATION NAME

69-70, 73-80 YEARS

APR MONTH

PAGE 1 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point								
1 / 79									.1									1	1									
7 / 77									.1									1	1									
6 / 75								.1										1	1									
4 / 73							.1		.1									2	2									
3 / 71						.1	.1		.1									3	3									
1 / 69					.4	.3	.3				.1							8	8									
5 / 67						.3												2	2									
6 / 65				.1	.3		.3											5	5									
4 / 63				.8	.4		.3	.1	.1									13	13	4								
2 / 61		.1	.5	.4	.1	.8	.1	.1										17	17	6								
1 / 59		.5	.4	.5	.4	.5	.5	.3										24	24	8	2							
5 / 57		1.0	1.1	.7	.8	.7	1.0	.1										39	39	21	5							
5 / 55	.1	.4	.8	.8	.7	1.0	1.0	.1										36	36	19	17							
4 / 53		1.5	1.1	.7	.4	1.0	.5	.4										41	41	19	14							
2 / 51	.1	.4	1.0	.4	1.2	1.8	.4	.1										40	40	32	17							
5 / 49		.4	1.0	.7	1.1	1.6	.5	.1										39	39	32	31							
4 / 47	.5	.5	1.4	1.1	2.5	1.4	.3											56	56	36	17							
4 / 45	.1	.7	.7	2.9	3.7	1.5	.3											72	72	33	17							
4 / 43	.3	1.2	.5	3.3	1.8	.5	.1											57	57	53	33							
2 / 41	.4	2.3	1.8	2.5	1.8	.7												69	69	56	29							
4 / 39	.8	.5	1.8	2.3	2.1	.4												58	58	89	30							
36 / 37		1.1	1.2	2.2	1.5													44	44	77	27							
10 / 35	.3	1.1	1.1	2.7	.5	.1												43	43	61	33							
34 / 33	.1	.5	1.5	1.4	.4													29	29	56	44							
2 / 31		.5	1.6	.8														22	22	50	70							
3 / 29		.1	.1	.1	.1													4	4	39	56							
23 / 27			.4	.1														4	4	25	48							
16 / 25			.1															1	1	10	42							
24 / 23																				4	40							
2 / 21																				1	56							
3 / 19																					33							
13 / 17																					25							
16 / 15																					19							
14 / 13																					10							
Element (X)	Σ x <sup>2</sup>				Σ x				Σ				σ <sub>s</sub>				No. Obs.				Mean No. of Hours with Temperature							
Rel. Hum.																					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total	
Dry Bulb																												
Wet Bulb																												
Dew Point																												



**USAFETAC** FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMI

14733 ESTOVER AFB MA

69-70, 73-80

STATION

STATION NAME

YEARS

PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb											
93														.1	.0			4	4											
91														.0	.0			4	4											
89													.0	.0			4	4												
87											.1	.0	.1				7	7												
85									.0	.1	.1	.0					8	8												
83									.1	.0	.0	.1	.1				12	12												
81								.1	.0	.0	.1	.1					16	16												
79							.1	.0	.1	.2	.1		.0	.0			31	31												
77						.0	.0	.1	.2	.1	.1	.1	.1				33	33												
75				.0	.0	.1	.2	.1	.1	.2	.1	.0					49	49												
73					.1	.1	.1	.1	.1	.2	.1						54	54												
71			.0	.1	.2	.2	.1	.2	.2	.2	.0						67	67												
69				.0	.1	.3	.3	.1	.3	.4	.1	.0					93	93												
67				.1	.3	.2	.3	.3	.2	.4	.2						115	115	2											
65		.0	.1	.2	.1	.3	.4	.3	.5	.6	.1						149	149	2											
63			.1	.4	.3	.4	.4	.4	.6	.3							167	167	3											
61	.0	.1	.4	.3	.3	.4	.3	.7	.6	.3							207	208	7											
59		.4	.5	.4	.5	.4	.7	1.1	.7	.2							282	282	11											
57	.2	.5	.8	.5	.5	.4	1.4	1.0	.6	.0							335	335	14											
55	.0	.6	.6	.6	.3	.7	1.1	1.1	.3								309	309	18											
53	.1	.6	.6	.5	.4	1.2	1.1	.8	.2								319	319	23											
51	.1	.3	1.1	.4	.9	1.3	1.3	.6									359	359	23											
49	.3	.6	.7	.7	.9	1.1	.9	.3									331	331	32											
47	.3	.7	.9	1.4	1.6	1.1	.6	.2									409	409	34											
45	.3	1.4	1.6	1.5	1.7	1.4	.6										505	505	42											
43	.3	1.4	1.9	2.0	1.2	.8	.2										466	466	51											
41	.3	1.1	1.8	1.3	1.0	.7	.1										374	374	61											
39	.6	.8	1.2	1.3	1.3	.2	.0										324	324	61											
37	.2	.7	.9	1.2	.6	.1											223	223	50											
35	.2	1.0	.6	1.3	.3	.0											203	203	40											
33	.2	.7	1.1	1.0	.2												184	184	31											
31		.7	1.4	.5	.1												158	158	26											
29	.0	.8	.7	.1	.0												97	97	23											
27	.0	.5	.1	.1													40	40	19											
Element (X)	Σ x'					Σ x					Σ					Σ					Σ					Σ				
Rel. Hum.																														
Dry Bulb																														
Wet Bulb																														
Dew Point																														

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA STATION NAME

69-70.73-80 YEARS

APR MONTH

PAGE 2 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
25	.0	.3	.1	.0														24	24	94	357			
24	.1	.2	.0	.0														14	14	33	311			
23		.0	.1															5	5	11	344			
22		.1	.0															6	6	7	336			
21	.1	.1																4	4	7	229			
20		.0																2	2	3	158			
19	.0	.0																2	2	3	114			
18																		1	1	2	64			
17	.1																	1	1	1	47			
16																					22			
15																					9			
14																					5			
13																					3			
12																					7			
11																								
10																								
9																								
8																								
7																								
6																								
5																								
4																								
3																								
2																								
1																								
0																								
TOTAL	3.0	13.5	16.8	15.7	12.6	11.0	10.2	7.3	4.7	3.0	1.4	.4	.3	.1	.1			5997	5998	5997	5997			



2

## PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

14203                      WESTOVER AFB MA  
STATION                      STATION NAME

69-70, 73-75, 79

YEARS

MAY  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

**USAFETAC** FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

147 3 WILSTOVER AFB MA STATION STATION NAME

69-73-75-78 YEARS

MAY MONTH

PAGE 1 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31					Dry Bulb	Wet Bulb	Dew Point
67 / 67		.2	.2		.2																3	3		
67 / 65		.9		.4																	6	6	2	
65 / 63	.6	.6	.2	.6	.2	.2															12	12	10	7
63 / 61	.6	1.1		.2		.2															10	10	6	8
61 / 59		4.3	1.1	1.1																	30	30	15	9
59 / 57	.2	2.6	2.4	.9	.6																31	31	20	17
57 / 55	1.5	1.1	1.3	1.3																	24	24	29	22
55 / 53	1.9	3.2	1.3	.4	.4																36	36	27	21
53 / 51	1.7	3.2	4.1	1.3	.2																49	49	41	33
51 / 49	1.1	4.7	3.6	1.5	.2																52	52	38	32
49 / 47	.2	5.4	2.1	.6																	39	39	44	35
47 / 45		4.7	1.9	.2																	32	32	50	42
45 / 43	.2	3.2	2.4	.6	.4																32	32	35	34
43 / 41	.6	3.0	1.1	.4	.6																27	27	31	4
41 / 39	.9	1.9	1.3																		19	19	37	30
39 / 37	1.5	.9	.9		.2																16	16	24	32
37 / 35	.2	2.1	.4	.2	.4																16	16	14	27
35 / 33	.2	1.1	.6																		9	9	15	13
33 / 31		1.3	1.1																		11	11	6	11
31 / 29		1.3	.2																		7	7	13	13
29 / 27		.4	.4																		4	4	11	7
27 / 25		.2																			1	1	4	9
25 / 23																							1	8
23 / 21																								6
21 / 19																								5
19 / 17																								3
17 / 15																								1
15 / 13																								2
13 / 11																								
TOTAL	11.6	47.4	26.6	9.9	3.6	.9															466	466	466	466
Element (X)	Σx²		Σx		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.	3285218		38660		83.0		12.946		466		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F		Total	
Dry Bulb	1134225		22637		48.6		8.629		466				4.6		.6								93	
Wet Bulb	1026249		21495		46.1		8.646		466				7.0										93	
Dew Point	924794		20216		43.4		10.137		466				12.8										93	



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1 703 ESTOVER AFB MA  
STATION STATION NAME

69-73.73-80

YEARS

MAY  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
1 / 79						.1												1	1			
6 / 75				.3		.1												3	3			
4 / 73				.2		.1												3	3			
2 / 71			.1	.1	.3	.1			.1									7	7			
1 / 69			.3	.6	.2	.2												13	13	4		
6 / 67		.2	.8	.2	.6	.2	.1	.1										21	21	5	3	
6 / 65	.1	1.3	.3	.5	.4	.2	.1											28	28	10	6	
4 / 63	.5	1.3	.6	1.4	1.1	.5	.1											52	52	34	22	
1 / 61	.6	2.5	1.1	1.1	.8	.3	.2	.1	.1									62	62	27	29	
1 / 59	.3	2.7	2.3	1.9	1.2	.9	.2	.1										89	89	51	31	
1 / 57	.8	2.5	1.9	1.8	1.1	.3	.1											78	78	71	41	
5 / 55	.4	3.5	2.2	1.7	1.1	.9	.3											93	93	80	55	
4 / 53	.8	2.4	3.1	1.3	1.2	.3	.1											84	84	77	66	
2 / 51	.9	2.5	3.1	1.7	.9	.4	.2	.1										91	91	88	75	
1 / 49	.1	2.9	3.5	1.5	.5	.8												86	86	86	65	
1 / 47		3.9	1.8	1.3	.9	.3												76	76	92	65	
4 / 45		1.4	2.2	1.4	.5	.1												52	52	93	94	
4 / 43	.1	.9	1.3	.9	.2	.1												32	32	54	67	
2 / 41	.2	1.2	.4	.3	.2	.1												23	23	59	59	
4 / 39	.3	.4	.2	.1	.1													11	11	48	58	
3 / 37	.3	.4	.2	.2	.1													12	12	22	51	
2 / 35		.2	.2	.1														5	5	9	38	
3 / 33	.1	.1	.1															3	3	9	21	
2 / 31		.1																1	1	6	26	
1 / 29																				4	15	
2 / 27																					22	
1 / 25																					9	
24 / 23																					4	
2 / 21																					2	
1 / 19																					4	
1 / 17																					1	
14 / 13																					1	
12 / 11																					2	
Element (X)	Σ X <sup>2</sup>			Σ X		Σ	°	No. Obs.		Mean No. of Hours with Temperature							Total					
Rel. Hum.										≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total						
Dry Bulb																						
Wet Bulb																						
Dew Point																						

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (OLA)

USAFETAC



## PSYCHROMETRIC SUMMARY

**YEARS**

MAY  
MONTH

PAGE 2 0600-080  
HOURS (L. S. T.)

[illegible]



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

1473 STATION WESTOVER AFB MA STATION NAME

69-70, 73-80

YEARS

MAY  
MONTHPAGE 1 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
89										.1								1	1					
87									.1	.1	.1							1	1					
85									.1	.1	.1							3	3					
83								.3	.1	.1	.1	.1						7	7					
81						.1	.2	.2		.1								6	6					
79					.1	.5	.3		.4									13	13					
77					.5	.2	.8	.3	.2	.1								20	20					
75			.1		1.0	.9	.5	.6	.4	.2								35	35					
73				.9	.2	.4	1.0	.6	.4									33	33	1				
71		.1	.1	.8	1.1	1.7	.6	.6	.1	.4								52	52	10				
69		.1	.2	.3	.6	.9	1.4	.4	.9	.2								47	47	20	2			
67		.6	1.3	1.0	1.6	.6	.6	.5	.2									61	61	27	8			
65	.3	1.0	.5	1.0	1.1	1.3	1.2	.9	.1	.1								69	69	37	20			
63	.3	.9	.8	1.1	1.1	1.9	2.3	1.2	.4	.2								94	94	45	33			
61	.3	1.5	.8	1.0	1.3	2.0	1.1	.8		.2								83	83	69	25			
59	.1	1.1	.8	1.2	1.9	2.0	1.2	1.0	.2									88	88	82	51			
57		.6	.8	1.4	1.7	1.0	1.6	.4	.1									71	71	70	48			
55		1.6	1.2	.8	1.6	.8	1.3	.5										72	72	55	56			
53	.1	1.5	1.3	.8	.9	1.0	.2	.1										54	54	103	53			
51	.2	.9	.9	1.2	.5	1.3	.2	.1										49	49	108	67			
49	.1	1.5	.5	.3	.2	.6	.1	.1										33	33	81	56			
47		.4	.1	.4	.1	.5	.1											16	16	73	65			
45		.1	.3		.3		.1											8	8	52	72			
43		.5	.1	.1	.1	.1												9	9	40	50			
41		.2																2	2	29	52			
39		.1																1	1	12	74			
37		.2																2	2	10	40			
35																				4	35			
34																				2	17			
32																					33			
30																					28			
28																					12			
26																					12			
24																					5			
Element (X)	ΣX <sup>2</sup>		ΣX		Σ		ΣA		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								



2

**YEARS**

MAY  
MONTH

**HOURS (L., S., T.)**

0-26-S (OL A) BETWEEN PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

19703 WESTOVER AFB MA  
STATION STATION NAME

69-70, 73-80

YEARS

MAY  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
93												.3						3	3					
91											.2	.1						3	3					
89									.2			.6	.2					10	10					
87								.1	.2	.1	.1	.2		.2				7	7					
85							.1	.3	.4	.6	.3	.2						19	19					
83						.1	.4	.8	.6	.6	.2							24	24					
81						.1	.6	.4	1.7	.3	.5	.1						36	36					
79						.4	.5	1.0	.6	1.2	.4	.1						40	40					
77				.1	.6	.1	.5	.9	.4	.4	.4							33	33					
75			.2	.2	.8	.4	.2	.9	1.1	.8	.6	.1						49	49					
73				.5	.8	.6	1.1	.8	1.1	.4	.6	.1						56	56	7				
71			.2	.2	.6	.9	1.3	1.1	1.0	1.0	.4							62	62	20				
69		.1	.1	.4	1.3	1.0	.9	1.8	.4	1.2	.5	.1						73	73	34	4			
67		.6	.5	.4	.6	.3	.8	1.7	1.2	1.4	.4							75	75	52	9			
65	.2	.3	.4	.9	.2	.4	2.2	.8	1.2	.2								63	63	60	23			
63		.2	.9	.5	.1	1.1	1.8	.6	1.4	.6	.2							70	70	49	35			
61	.1	.8	.3	.4	.5	1.2	1.5	1.0	.3	.3								60	60	70	28			
59		.6	.6	.6	1.0	1.1	1.3	1.6	.1									65	65	79	40			
57		1.2	.8	.5	.5	.5	.4	1.3	.1									50	50	62	58			
55	.1	1.3	.3	.9	.9	.9	.6	.1	.1									44	44	75	71			
53	.4	.9	1.0	.8	.5	.4	.1	.2										40	40	105	60			
51	.1	.3	.5	.1	.3	.1	.1											15	15	85	37			
49		.8	.2	.2		.3												14	14	74	53			
47			.4			.2												6	6	69	60			
45			.4	.2	.1													7	7	37	59			
43		.2																2	2	32	63			
41		.2																2	2	4	54			
39		.2																2	2	12	50			
37																				4	45			
35																					34			
33																					22			
31																					46			
29																					25			
27																					20			
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ			
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

    MAY      
MONTH

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
- / 25																					9			
+ / 23																					11			
2 / 21																					2			
3 / 19																					4			
1+ / 17																					3			
1 / 15																					5			
TOTAL	1.0	7.7	7.0	7.1	8.9	9.8	14.5	15.3	12.0	9.2	5.2	2.0	.2					930	930	930	930			
Element (X)	Zg'	Zx	X	C <sub>s</sub>	No. Obs.	Mean No. of Hours with Temperature						Total												
Rel. Hum.	2760081	47163	50.7	19.911	930	= 0 F	= 32 F	= 47 F	= 73 F	= 80 F	= 93 F	Total												
Dry Bulb	4314522	62670	67.4	9.917	930			49.0	28.0	12.3	.3	93												
Wet Bulb	3007643	52387	56.3	7.812	930			11.3	.7			93												
Dew Point	2133658	43312	46.4	11.200	930			12.5	1.3			93												



2

YEARS \_\_\_\_\_ MAY \_\_\_\_\_  
MONTH

     MAY       
MONTH

1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
94/ 93												.3						3	3				
92/ 91											.2	.3						5	5				
90/ 89									.1		.4	.8	.1					13	13				
88/ 87									.3	.1	.4	.2						10	10				
86/ 85							.1	.3	.1	.9	.9	.1						22	22				
84/ 83							.1	.1	.8	.1	.4	.6						20	20				
82/ 81						.5	.5	.9	1.0	.2	.2	.3	.1					35	35				
80/ 79				.4	.1	1.3	.4	1.1	.4	.8	.2	.2	.1					47	47				
78/ 77				.1	.3	.4	.2	.8	.6	1.4	.3	.5	.1					45	45				
76/ 75				.4	.8	.8	.5	.6	1.1	.2	.5	.3	.1					50	50				
74/ 73				.2	.4	1.1	1.2	.5	.6	.5	.4	.2						49	49	13			
72/ 71					.4	.6	1.1	.9	1.4	1.2	.8	.1						60	60	16	4		
70/ 69		.1	.1	.4	.3	.4	1.3	.8	1.3	1.8	.4	.1						66	66	42	1		
68/ 67	.2	.3	.4	.6	.6	.3	1.3	1.5	1.3	1.3	.8	.1						82	82	52	11		
66/ 65		.6	.6	1.0	.3	.4	1.8	.9	.1	.2	.4							60	60	47	25		
64/ 63	.1	.2	.2	.4	.5	1.2	1.7	1.8	1.3	.3	.2							75	75	52	31		
62/ 61	.1	1.0	.5	.4	.3	1.0	1.1	1.0	1.1	.2								62	62	78	26		
60/ 59	.1	.3	1.3	1.0	.9	.8	1.1	.9	.3	.1								62	62	58	38		
58/ 57	.1	1.5	.8	.4	.6	1.1	.4	.8										53	53	70	63		
56/ 55	.4	1.0	.9	.9	.4	.2	.1	.3										39	39	93	65		
54/ 53		.6	.4	.4	.1	.2	.4											21	21	103	63		
52/ 51		.8	.1	.1	.6	.1	.2											18	18	91	35		
50/ 49		.5	.4	.5	.2													16	16	74	55		
48/ 47			.1	.1		.1												3	3	58	67		
46/ 45		.3	.1	.1	.2	.1												8	8	33	47		
44/ 43		.1			.2													3	3	28	51		
42/ 41																				10	56		
40/ 39		.1																1	1	3	48		
38/ 37		.2																2	2	6	49		
36/ 35																				3	37		
34/ 33																					39		
32/ 31																					31		
30/ 29																					16		
28/ 27																					23		
Element (X)	ΣX'		ΣX		Σ		σ <sub>s</sub>		No. Obs.		Mean No. of Hours with Temperature												
Rel. Num.											≤ 0 F		≤ 32 F		= 67 F		= 73 F		= 80 F		= 93 F		Total
Dry Bulb																							
Wet Bulb																							
Dew Point																							

**USAFETAC** FORM 0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

14703  
STATIC

WESTOVER AFB MA

69-70, 73-80

MAY  
MONTH

PAGE 2

1500-1700  
HOURS (L. S. T.)

[illegible]



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

10703 WESTOVER AFB MA  
STATION STATION NAME

69-70, 73-80  
YEARS

MAY  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
89									.1	.1								2	2		
87								.1	.1	.1			.1					3	3		
85								.1	.1	.1	.2							5	5		
83							.1	.1	.2	.2		.1						7	7		
81						.1	.1	.2	.1	.2	.1							8	8		
79						.5	.3	.5	.1	.3	.2							19	19		
77				.1	.1	.9	.6		.5	.1	.1							23	23		
75				.3	.5	.9	.3	.6	.9	.3	.2							38	38		
73		.1	.4	.8	.5	.6	.3	.8	.9	.1		.1						43	43	3	
71			.6	.6	1.1	.9	.9	.8	.5	.4	.1							53	53	10	
69	.2		.3	.3	.9	1.2	.2	1.1	.5	.1	.1							46	46	20	6
67	.2	.2	.6	.8	1.1	.9	1.4	1.1	.8	.5	.2							72	72	34	8
65		.4	.8	1.4	.9	.8	1.6	1.0	.5	.1								69	69	41	22
63	.3	.3	1.1	.9	.5	1.8	1.3	.9	.8	.3	.1							76	76	45	26
61		.9	1.0	.5	1.2	1.4	.8	1.3	.5		.1							71	71	63	31
59	.4	.8	1.6	1.0	1.9	1.5	1.4	.3	.4	.1								88	88	71	37
57	.5	2.4	1.0	.2	1.1	1.4	1.5	.5										80	80	82	63
55	.5	.6	1.0	1.1	1.4	1.4	.5	.6										67	67	80	67
53	.2	1.1	1.2	1.1	.6	.9	.6	.1	.1									55	55	89	57
51		.8	.8	1.1	.8	.9	.6	.1										46	46	81	41
49		1.5	.2	.4	.4	.2	.2											28	28	85	54
47		.3	.5	.2	.4	.3												17	17	83	57
45		.3	.1															4	4	53	64
43		.1																2	2	43	68
41				.2	.1													3	3	21	48
39		.1		.1														2	2	16	50
37		.2		.1														3	3	2	47
35																				6	41
33																				2	29
31																					30
29																					20
27																					20
25																					21
23																					10
Element (X)	Σ X'		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

YEARS

MAY  
MONTH

1800-2000  
HOURS (L-S-T)

[illegible]



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SU

USE WITH CAUTION  
SEE FIRST PAGE

1 103

WILSTOVER AFB MA

69-70, 73-80

STATION NAME

YEARS

PAGE 1 2

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		Dry Bulb	Wet Bulb
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.		
79					.2													1	1	
77					.2		.2											2	2	
75						.5		.2										4	4	
73			.2	.5	.5	.5	.2											11	11	
71		.3	.2	.8	.2	.3	.2	.2										13	13	
69		.2	1.4	.5	1.1	.5	.3											25	25	
67	.2		.3	1.3	.9	.9	.2	.5										22	22	
65		1.1	.5	1.3	.5	.8	.5	.2										30	30	
63	.2	.6	1.3	.6	.3	1.6	.5	.3										34	34	
61	.3	.5	2.7	1.8	1.6	1.4		.2										53	53	
59	.2	1.9	1.6	.6	1.3	.8	.2											42	42	
57	.5	3.5	1.8	1.3	1.0	.8	1.0											61	61	
55	1.1	1.6	1.9	1.1	1.9	1.0	.6											57	57	
53	.3	1.9	2.6	1.8	1.3	1.0	.2											56	56	
51	.6	1.0	2.4	2.7	1.6	.8	.3											59	59	
49	.2	2.9	1.8	.8	1.6	.6	.5	.2										53	53	
47	.2	1.9	2.1	1.3	.3	.9	.5											42	42	
45		.8	1.3	.5	.8	.2	.2											23	23	
43	.2	.6	1.1	.6	.2	.2	.2											19	19	
41	.2	.3	.3															7	7	
39		.3	.2															3	3	
37				.2	.2													2	2	
35			.2	.3														3	3	
33																				
31		.2																1	1	
29																				
27																				
25																				
23																				
21																				
19																				
17																				
15																				
13																				
11																				
9																				
7																				
5																				
3																				
1																				
0																				
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																				
Dry Bulb																				
Wet Bulb																				
Dew Point																				

FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC  
JUL 64



REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

1473                      WESTOVER AFB MA  
STATION                      STATION NAME

69-70, 73-A

**YEARS**

MA Y  
0000000000

PAGE 2

HOURS 1, 2, 3

[illegible]



GENERAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1-7-3 STATION 69-70.73-80  
STATION NAME YEARS

69-70.73-80

YEARS

MAY  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
75		0.7																1	1	4	92			
73																				1	61			
71																					36			
69																					28			
67																					21			
65																					17			
63																					7			
61																					11			
TOTAL	2.4	18.6	15.4	12.3	10.7	10.8	9.3	7.3	5.3	3.6	2.0	1.0	.1					6202	6202	6202	6202			



2

**USE WITH CAUTION  
SEE FIRST PAGE**

69-70, 73-75, 80

YEARS

**JULY**  
**MONTH**

PAGE 1 0000-0200  
HOURS (L. S. T.)

**USAFETAC FORM 0-26-5 (OLA)**  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2

USE WITH CAUTION  
SEE FIRST PAGE

**JUN**  
**MONTH**

PAGE : 0300-0500  
HOURS (L. S. T.)

USAFETAC  
FORM  
JUL 84  
0-26-5 (OLA)  
SEVERAL SEVERAL SEVERAL OF THE FORM ARE OBLIVIOUS



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

1473 STATION WESTOVER AFB MA STATION NAME

69-70, 73-80 YEARS

JUN MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
4/ 83					.1													1	1					
7/ 81						.1												1	1					
7/ 79				.1	.1		.3											5	5					
7/ 77			.1	.3	.3	.1	.2											10	10					
8/ 75			.3	.9	.1	.3	.1											16	16	1				
9/ 73		.3	1.0	1.2	.7	.2												31	31	4				
7/ 71	.2	1.2	1.9	.8	1.0	.2												48	48	15	6			
7/ 69		2.3	3.0	1.6	1.3	.2		.1										81	81	47	20			
7/ 67	.4	2.8	3.2	2.0	1.6	.8												97	97	57	54			
8/ 65	.9	4.3	1.6	1.9	1.0	.4												91	91	82	65			
4/ 63	.8	3.7	1.9	2.3	.8	.3	.1											89	89	106	67			
7/ 61	.4	2.2	1.2	1.3	1.2	.4												81	81	73	67			
7/ 59	.1	3.1	4.7	2.2	1.3	.6												99	99	84	59			
7/ 57	.3	2.4	2.9	1.2	1.2	.3												77	77	105	72			
5/ 55	.4	2.9	2.7	.8	.8	.1												69	69	76	86			
4/ 53		2.4	1.1	.8														39	39	86	89			
8/ 51		2.1	.9	.7		.1												33	33	65	66			
5/ 49		1.0	.3	.1														13	13	46	75			
7/ 47	.1	.7	.3		.1													11	11	31	45			
7/ 45	.1	.3	.1	.1														6	6	18	34			
4/ 43			.1															1	1	2	29			
2/ 41																				3	25			
3/ 39																					11			
3/ 37																					5			
7/ 35																					1			
7/ 33																					3			
TOTAL	3.9	31.9	29.1	18.4	11.3	4.4	.8	.1										899	899	899	899			



## PSYCHROMETRIC SUMMARY

14723      WESTOVER AFB MA  
STATION      STATION NAME

69-70, 73-80

**YEARS**

JUN  
MONTH

PAGE 1 2900-1162  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
1/ 91										.1								1	1				
1/ 89								.2	.1	.2	.1							6	6				
8/ 87							.1	.8	.2	.3	.1							14	14				
6/ 55							.2	.2	.3	.3								10	10				
4/ 83							.8	.4	.8	.2								20	20				
1/ 81						.4	1.1	.6	1.3	.3	.1		.1					36	36				
1/ 79				.3	1.0	1.7	.8	.9	.2	.2								46	46				
7/ 77			.1	.9	2.1	1.0	1.6	.7	.6	.3	.1							66	66		3		
2/ 75		.1	1.0	2.0	1.4	1.9	1.0	1.8	.2	.2								87	87	15			
4/ 73		.2	.9	1.8	1.1	1.4	1.6	1.6	.4									81	81	30	3		
1/ 71	.2	.8	1.9	1.6	1.8	1.3	1.9	1.0	.4									98	98	63	13		
1/ 69		1.1	2.1	1.3	2.2	1.6	1.1	1.0	.4									98	98	84	49		
1/ 67	.1	1.1	1.7	1.4	1.2	1.3	.7	1.1	.2									80	80	85	62		
6/ 65	.2	1.1	.7	1.7	1.6	1.2	1.0	.4										71	71	96	75		
4/ 63		.4	.4	1.7	.8	1.3	1.2	.3										56	56	81	59		
1/ 61		1.2	1.3	.9	.4	.9	.6											48	48	113	81		
1/ 59		1.3	1.1	.4	.3	.4	.6											38	38	90	73		
1/ 57		.8	.6	.7	.1	.2	.2											23	23	84	74		
5/ 55		.8	.6		.3	.1												16	16	57	68		
4/ 53		.2			.2													4	4	56	74		
2/ 51						.1												1	1	28	76		
5/ 49																				12	34		
1/ 47																				10	31		
4/ 45																				2	63		
4/ 43																				1	24		
42/ 41																					17		
40/ 39																					22		
33/ 37																					15		
30/ 35																					4		
34/ 33																					1		
2/ 31																					2		
TOTAL	.6	9.2	12.3	14.7	15.1	16.8	11.4	11.7	3.6	1.6	.3	.1						900		900	900		
Element (X)	Σx²		Σx		Σ		Σ²		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.	3815285		56793		63.1		16.046		900		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb	4565647		63759		70.8		7.406		900						64.3		36.7		11.8				90
Wet Bulb	3569649		56379		62.6		6.491		900						28.0		4.8						90
Dew Point	2976515		51177		56.9		8.595		900				.2		12.7		.3						90



2

## PSYCHROMETRIC SUMMARY

**JUN**  
**MONTH**

19498 (L. S. T.)

[illegible]







GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA  
STATION STATION NAME

69-70, 73-80  
YEARS

JUN  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point
102/101															.1			1	1		
100/ 99														.1	.1			2	2		
96/ 95												.2						2	2		
94/ 93											.1	.6	.3	.2				11	11		
92/ 91									.1	.1	.7	.4	.4					16	16		
90/ 89										.4	.4	.1						9	9		
88/ 87							.1	.8	.4	1.2	.3	.3	.1	.1				31	31		
86/ 85							.2	1.1	.8	.3	1.0	.3	.1					35	35		
84/ 83						.1	.6	1.1	1.2	2.0	1.2	.1	.3					60	60		
82/ 81						1.0	.9	1.6	1.4	1.2	1.1	.9	.2					75	75		
80/ 79				.2	1.2	1.6	1.7	1.4	1.1	2.0	.8							90	90		
78/ 77			.3	.8	2.0	1.4	.9	1.3	1.4	1.3	.9	.1						95	95	4	
76/ 75		.2	.9	.9	1.9	1.9	.3	1.2	1.3	1.6	.3							95	95	19	
74/ 73			.8	2.0	1.0	1.0	.6	.9	2.2	.6								81	81	70	2
72/ 71	.1	.4	1.2	.1	1.0	1.0	2.1	1.3	1.4	.3								82	82	81	17
70/ 69	.2	.7	1.2	1.1	.8	1.0	1.0	1.1	.7									70	70	90	58
68/ 67		.2	.7	.6	.2	.3	.7	.4	.1									29	29	118	53
66/ 65			.2	.3	.6	.1	.3	.3	.1									18	18	80	89
64/ 63		.9	.6	.9	.3	.3	.3	.1										31	31	69	65
62/ 61	.1	.2	1.1	.6		.3	.8											28	28	105	68
60/ 59	.2	.4	.7	.2		.3	.3											20	20	90	72
58/ 57		.7	.3		.2													11	11	78	58
56/ 55		.6			.1													6	6	43	68
54/ 53			.1															1	1	26	65
52/ 51			.1															1	1	9	46
50/ 49																				16	47
48/ 47																				2	50
46/ 45																					41
44/ 43																					37
42/ 41																					26
40/ 39																					17
38/ 37																					17
36/ 35																					4
Element (X)	Σ <sub>1</sub>		Σ <sub>2</sub>		Σ <sub>3</sub>		Σ <sub>4</sub>		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



**USAFETAC** FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1-703 STATION WESTOVER AFB MA STATION NAME

69-70, 73-80 YEARS

YEARS

JUN MONTH

PAGE 1 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point							
5/ 97												.1	.1					2	2									
/ 91									.2	.1	.2							3	3									
/ 85								.2	.1	.1	.2							6	6									
8/ 87								.2	.2	.1								5	5									
6/ 85						.2	.2	.4	.2			.1						11	11									
4/ 82					.1	.1	.3	.7		.1	.1							13	13									
/ 81				.1	1.0	.7	1.2	.7	.3		.1	.1						38	38									
/ 79				.2	1.0	1.3	1.1	1.2	.6	.2								51	51									
7 / 77			.1	1.2	1.6	1.2	.7	.6	.7	.3								57	57									
6/ 75			.7	1.3	1.3	1.9	.8	1.1	.2	.6								70	70									
4/ 73			1.0	2.7	1.3	1.2	1.4	1.4	1.6	.1								97	97	24								
/ 71		.9	2.7	1.2	1.3	1.2	1.1	1.2	.3	.3								93	93	61								
/ 69	.1	1.8	2.4	1.4	2.1	1.9	1.2	1.1	.6									114	114	83	45							
/ 67	.1	1.4	1.6	1.1	1.3	1.6	1.4	.8	.3									87	87	104	61							
6/ 65	.1	.8	.8	1.4	1.6	1.4	.7	.6										66	66	93	91							
4/ 62	.1	.4	1.8	1.0	.4	1.4	.2											49	49	73	68							
/ 61	.6	.8	.9	1.0	.7	.6	.6											45	45	91	73							
/ 59		.7	1.2	.8	.1	.4	.3											30	30	100	76							
/ 57		1.0	1.2	.1	.4	.3												26	26	85	61							
5 / 55		.9	.2	.3	.1	.3												17	17	65	67							
4/ 53		.9	.4		.1	.1												14	14	65	51							
2/ 51		.1	.3	.1														5	5	25	75							
50/ 49		.1																1	1	18	52							
40/ 47																				12	41							
4 / 45																				3	45							
4/ 43																					34							
2/ 41																					19							
40/ 39																					11							
30/ 37																					12							
20/ 35																					11							
TOTAL	1.0	9.6	14.9	14.1	14.6	16.7	11.3	10.1	5.1	2.0	.7	.3	.1					900	900	900	900							
Element (X)	Σ x'		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x	
Rel. Hum.	3924261		57403		63.8		17.105		900		± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total					
Dry Bulb	4517579		63399		70.4		7.572		900				64.7		35.3		10.3		.2				9					
Wet Bulb	3537567		56129		62.4		6.420		900				28.0		3.2													
Dew Point	2952989		50975		56.6		8.557		900				11.4															

USAFETAC FORM 0-26-5 (OLA) REVERSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



USE WITH CAUTION  
SEE FIRST PAGE

14703	WESTOVER AFB MA
STATION	STATION NAME

69-75, 73-85

**YEARS**

JUN  
MONTH

PAGE 1 21.6-23  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC S

YEARS

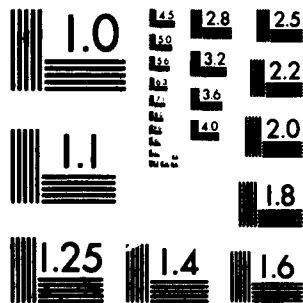
USAFETAC  
FORM  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
R.R. 44

[illegible]









MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A



**YEARS**

[illegible]



## PSYCHROMETRIC SUMMARY

**YEARS**

JUN  
MONTH

ALL  
HOURS (L. S. T.)

[illegible]



2

USE WITH CAUTION  
SEE FIRST PAGE

69-70, 73-75

JUL

**STATION**

STATION NAME

**YEARS**

**MONTH**

PAGE 1

0300-0500  
MURKIN (1-8-74)

**USAFETAC** FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2

Jul

**MONTH**

●

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA  
STATION STATION NAME

69-70,73-80  
YEARS

JUL  
MONTH  
PAGE 1 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
94/ 93								.1	.1									2	2		
91/ 91								.5										5	5		
89/ 89						.2	.2	.3	.1	.2								10	10		
87/ 87			.1			.5	.5	.1	.1	.1								14	14		
86/ 85					.2	1.2	.8	.6	.6	.2								34	34		
84/ 83				.1	1.0	1.6	1.4	.8	.6	.2		.1						54	54	1	
82/ 81			.1	.3	2.2	1.9	2.3	1.2	.6	.4								84	84		1
80/ 79			.2	1.3	2.3	2.2	2.3	1.4	.8	.4								100	100	4	
78/ 77		.1	.8	1.4	2.9	2.0	2.4	.9	.8	.1								105	105	20	1
76/ 75		.3	1.0	2.5	2.6	2.7	1.4	1.1	.3	.1								111	111	37	5
74/ 73	.1	1.0	1.4	2.3	1.7	2.6	1.4	1.6	.9	.1								121	121	85	21
72/ 71		.6	1.5	1.0	2.2	2.3	1.4	.8	.5									95	95	105	71
70/ 69		.8	1.6	.8	1.4	1.3	1.2	.4	.6									75	75	132	74
68/ 67	.1	1.3	2.4	.9	1.1	1.1	.4	.2										69	69	113	85
66/ 65	.1	1.2	.3	.4	.4	.1	.3											27	27	121	102
64/ 63	.2	.5	.1	.4	.2	.2												16	16	110	96
62/ 61			.1			.2												3	3	79	100
60/ 59					.2													2	2	49	87
58/ 57		.1																1	1	42	61
56/ 55		.2																2	2	18	48
54/ 53																				9	47
52/ 51																				5	43
50/ 49																					28
48/ 47																					19
46/ 45																					18
44/ 43																					11
42/ 41																					8
40/ 39																					4
TOTAL	.5	6.1	9.6	10.9	18.5	20.1	16.1	10.0	6.1	1.9		.1						930	930	930	930
Element (X)	2g		2h		X		g		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.	3875259		58457		62.9		14.703		930		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb	5352404		70324		75.6		6.058		930				87.9	64.0	25.2	.2	93				
Wet Bulb	4181232		62148		66.8		5.504		930				49.7	19.7	.2		93				
Dew Point	3562471		57131		61.4		7.542		930				25.8	2.8	.1		93				

USAFETAC FORM 0-26-5 (OLA) REVERSE WITHOUT EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

10703 WESTOVER AFB MA  
STATION STATION NAME

69-70.73-80  
YEARS

JUL  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
3/ 97									.1	.1	.6							8	8				
6/ 95									.2	.1	.2	.1						6	6				
4/ 93								.1	.4	.4	.3	.3						15	15				
7/ 91							.1	.6	1.3	.2	.2	.3						26	26				
7/ 89							.5	1.1	.8	.1	.6	.3	.1					33	33				
8/ 87					.1	.2	2.0	2.2	1.7	1.2	1.0	.1	.1					80	80				
6/ 85				.1	.1	1.4	2.4	2.3	2.5	2.4	.5	.2						110	110				
4/ 84			.1		.2	1.3	1.7	2.3	2.0	1.3	.9							91	91				
7/ 81				.2	.3	2.5	1.9	2.3	1.5	1.3	.5							98	98		2		
7/ 79			.1	.9	1.6	.9	1.9	2.5	1.7	1.4	.5							107	107		13		
7/ 77			.6	.4	1.1	.8	2.5	1.9	1.5	.4	.1							86	86	28	3		
6/ 75		.3	1.1	.5	1.0	.9	1.0	1.8	1.4	1.2								85	85	71	4		
4/ 73		.6	.8	.9	.5	.4	1.0	1.2	.6	.3	.1							60	60	99	19		
2/ 71		.1	.6	1.1	.8	.3	.3	.4	.6	.2								42	42	117	54		
7/ 69	.5	.8	1.0	.3	.1	.2	.1	.3										31	31	128	91		
7/ 67	.2	.4	1.6		.4	.4	.1	.1										31	31	126	96		
6/ 65	.1	.2	.6			.1	.3	.1										14	14	116	75		
4/ 63						.1	.1											2	2	84	89		
2/ 61		.2																2	2	64	79		
7/ 59																				39	91		
7/ 57		.3																3	3	22	69		
5/ 55																				16	64		
4/ 53																				3	46		
2/ 51																				2	44		
5/ 49																					31		
7/ 47																					23		
4/ 45																					21		
4/ 43																					15		
2/ 41																					10		
4/ 39																					5		
32/ 37																					1		
TOTAL	.9	3.0	6.6	4.4	6.1	9.5	16.0	19.1	16.5	10.6	5.7	1.4	.2					930	930		930		
																		930		930			
Element (X)	ΣX'		ΣX		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.	2891789		49713		53.5		15.884		930		± 6 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total						
Dry Bulb	6038831		74669		80.3		6.880		930				90.9	80.5	52.2	2.9	93						
Wet Bulb	4342631		63349		68.1		5.438		930				58.4	21.3	.6		93						
Dew Point	3498442		56573		60.8		7.836		930				26.7	2.6			93						



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA  
STATION STATION NAME

69-70.73-80  
YEARS

JUL  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb		Dew Point		
3/ 97										.1	.5	.1						7	7				
6/ 95										.2	.3	.2						7	7				
4/ 93								.1	.2	.2	.1							6	6				
1/ 91							.2	.3	1.4	1.0	.1	.2						30	30				
1/ 89						.1	.2	.9	1.5	.8	.4	.6	.2	.1				45	45				
8/ 87					.2	.3	1.1	1.0	2.5	.9	1.0							64	64				
6/ 85				.1		.5	1.6	3.9	2.8	1.8	1.1	.1						111	111				
4/ 83				.3	1.1	2.5	2.0	2.3	1.3	.6	.1							95	95				
1/ 81			.1	.2	1.4	1.7	2.4	1.8	1.4	1.3	1.1	.1						107	107				
1/ 79			.4	.4	1.6	1.4	1.6	2.5	1.6	1.3	.6							107	107	13			
7/ 77			.5	.5	1.0	.6	1.7	.8	1.9	1.9	.5							89	89	20	1		
6/ 75		.4	1.0	.8	.9	1.3	1.6	.8	1.2	.6	.4							83	83	56	9		
4/ 73	.1	.5	.4	1.2	.3	.6	.8	.9	1.4									58	58	112	16		
1/ 71	.2	.5	1.2	1.0	.3	.1	.3	.4										38	38	143	47		
1/ 69	.2	.8	1.4	.8	.8		.4	.5										45	45	119	77		
6/ 67	.1	.8	.3			.5		.2										18	18	124	87		
6/ 65		.1	.5			.1		.1										8	8	99	103		
4/ 63		.2	.5		.1	.1												9	9	86	102		
2/ 61																				69	89		
1/ 59			.1															1	1	53	75		
1/ 57		.1	.1															2	2	21	64		
5/ 55																				12	58		
4/ 53																				2	40		
2/ 51																				1	36		
5/ 49																					39		
3/ 47																					37		
4/ 45																					25		
4/ 43																					9		
2/ 41																					9		
4/ 39																					4		
3/ 37																					3		
TOTAL	.6	2.7	7.1	5.3	6.5	8.6	14.4	16.1	18.2	11.4	6.8	1.6	.2	.1				930	930		930		
Element (X)	Σ x'		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		
Rel. Hum.	2870822		49456		53.2		16.101		930		± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		
Dry Bulb	6045664		74724		80.3		6.701		930						91.0		80.9		53.6		2.0		
Wet Bulb	4333575		63293		68.3		5.295		930						58.7		20.1		.4				
Dew Point	3481585		56433		60.7		7.863		930						23.7		2.6						

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2

## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
JUL  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

**JSAFETAC**  
FORM  
AS 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



USE WITH CAUTION  
SEE FIRST PAGE

14703                      ESTOVER AFB MA  
STATION                      STATION NAME

69-70, 73-80

YEARS

JUL  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

[illegible]



2

## 1

**YEARS**

**JUL**  
**MONTH**

PAGE 1

ALL  
HOURS (L. S. T.)

USAFETAC  
FORM  
JUL 84  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2

WITH CAUTION  
SEE FIRST PAGE

YEARS

AUG  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

**USAFETAC**



2

USE WITH CAUTION  
BEE FIRST PAGE

69-70, 73-75, 79-80 YEARS

AUG  
MONTH

PAGE 1 232J-05  
HOURS (L. S. T.)

USAFETAC  
FORM 0-26-5 (OL A)  
JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2

## YEARS

AUG  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

[illegible]



2

1

YEARS

PAGE 1 0900-1100  
HOURS (L. S. T.)

**USAFETAC** FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 84



## PSYCHROMETRIC SUMMARY

69-70, 73-80

AUG  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point			
8/ 97											.1	.1						2	2					
6/ 95									.2	.1	.1							4	4					
4/ 93								.1	.3	.3	.1							8	8					
/ 91							.3	.3	.4	.6	.8	.3						26	26					
/ 89						.1	.6	1.7	.8	.6	.2	.2						40	40					
8/ 87						1.0	1.6	1.5	1.0	1.2	1.2							69	69					
6/ 85					.4	1.8	1.7	2.4	2.2	1.5	.2							95	95					
4/ 83				.1	.8	1.9	2.5	1.9	2.0	1.4	.1	.1						101	101					
/ 81				.6	1.3	1.3	1.2	2.0	2.3	.8	.1							89	89					
/ 79			.2	.6	1.2	1.9	1.1	2.6	1.2	.6								88	88	11				
7- / 77		.2	.5	.8	1.3	.5	1.2	2.3	1.5	.4	.2							83	83	39				
6/ 75		.3	.6	.4	1.2	1.5	1.0	2.5	.6	.5								81	81	75				
4/ 73	.1	.3	1.1	1.6	.9	1.0	.8	1.5	1.1	.3	.1							81	81	101				
2/ 71		.4	1.5	1.5	1.1	.5	.5	.5	.6	.1								68	68	103				
/ 69		.3	1.1	.4	.5	.2	.2	.8	.1									34	34	129				
6/ 67		.3	.9	.2	.1			.2										16	16	122				
6/ 65		.4	.2		.3		.1											10	10	112				
4/ 63		1.4	.2				.1											16	16	76				
2/ 61		1.2	.4				.2											17	17	64				
/ 59			.3															3	3	42				
/ 57		.2																2	2	35				
5- / 55		.1																1	1	16				
4/ 53																				2				
2/ 51																				2				
50/ 49																				1				
36/ 47																								
45/ 45																								
44/ 43																								
2/ 41																								
40/ 39																								
36/ 35																								
TOTAL	.1	5.3	7.1	6.3	9.1	11.8	13.1	20.3	14.3	8.6	3.2	.8						930	930	930				
Element (X)	Σx'		Σx		Σ		Σ <sub>n</sub>		No. Obs.		Mean No. of Hours with Temperature						Total							
Rel. Num.	3175955		52287		56.2		15.947		930		≤ 6 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb	5894563		73731		79.3		7.272		930						88.1		76.7		48.7		1.4		93	
Wet Bulb	4335633		63285		68.0		5.606		930						58.0		22.6		.4				93	
Dew Point	3557940		57078		61.9		7.682		930						26.9		8.7						93	



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 ESTOVER AFB MA 69-70.73-80 AUG  
STATION STATION NAME YEARS MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
1 / 99										.1								1	1		
5 / 97										.1								1	1		
6 / 95										.2	.1							3	3		
4 / 93							.1	.2	.1	.6		.1						11	11		
1 / 91									.6	.2	.9	.3						19	19		
1 / 89						.1	.8	1.3	.9	1.2	.1	.3						43	43		
3 / 87					.3	.4	1.3	1.4	.9	.9	.8	.2						57	57		
6 / 85					.2	1.7	1.1	2.6	1.3	1.8	1.2							92	92		
4 / 83				.2	.9	1.5	1.8	1.6	3.7	1.5	.6	.2						112	112		
1 / 81				.4	.9	1.4	1.8	2.0	1.5	1.6	.1	.1						92	92	4	
1 / 79				.4	1.7	1.4	2.0	1.6	2.3	.3	.2							93	93	8	
7 / 77		.2	1.7	.6	1.1	1.9	1.0	1.7	1.5	.4	.1							80	80	27	4
6 / 75		.4	1.6	.8	1.1	1.2	.6	1.7	.4	.6	.1							80	80	68	9
4 / 73		.5	1.7	2.2	.8	.6	.9	1.0	1.4	.3	.2							89	89	114	26
7 / 71		.6	1.2	1.4	.5	.5	.6	1.0	.8									62	62	97	6
1 / 69	.2	.5	1.1	.8	.6	.1	.1	.3										35	35	118	89
4 / 67		.2	.6	.2	.1		.2											13	13	158	85
6 / 65		.6	.2		.1	.1												10	10	86	71
4 / 63		.9	.5		.1		.3											17	17	93	89
2 / 61		1.3	.5															14	14	61	91
0 / 59		.3																3	3	50	85
6 / 57																				27	76
5 / 55		.3																3	3	14	62
4 / 53																				2	54
2 / 51																				3	42
50 / 49																					20
48 / 47																					21
46 / 45																					21
44 / 43																					15
42 / 41																					5
40 / 39																					2
38 / 37																					2
36 / 35																					1
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature					Total			
Rel. Hum.													≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F			
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OLA) REVERSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE







2

(

AUG

STATION

STATION NAME

**YEARS**

100  
MONTH

1810-2000

100-200  
100-200

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**



25

**USE WITH CAUTION  
SEE FIRST PAGE**

69-70,73-80

YEARS

AUG  
MONTH

PAGE 1 2100-230  
MOORE (L. S. T.)

**JSAFETAC**  
FORM  
AN 04  
0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

10703 WESTOVER AFB MA STATION NAME

69-70,73-80 YEARS

AUG MONTH

PAGE 1

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
0/ 99										.0								1	1						
0/ 97										.0	.0	.0						3	3						
6/ 95									.0	.0	.0							7	7						
4/ 93							.0	.1	.1	.1	.0	.0						21	21						
7/ 91							.1	.1	.2	.1	.2	.1						48	48						
7/ 89						.0	.3	.5	.3	.3	.1	.1						99	99						
8/ 87					.1	.3	.5	.5	.3	.3	.3	.0						151	151						
6/ 85					.2	.7	.6	.8	.6	.5	.2							230	230						
4/ 83				.1	.6	.9	.9	.8	.9	.5	.1	.0						304	304						
4/ 81			.0	.4	.8	.8	.7	.8	.7	.4	.0	.0						289	289	4					
7/ 79			.1	1.0	1.0	1.3	.9	.9	.6	.2	.0							375	375	26					
7/ 77		.2	.8	1.3	1.1	1.0	.7	.8	.5	.1	.0							408	408	99	4				
76/ 75	.0	.7	1.4	1.3	1.2	1.0	.6	.9	.2	.2	.0							462	462	245	36				
4/ 73	.3	1.2	2.1	1.8	.9	.7	.8	.6	.4	.1	.0							549	549	462	176				
70/ 71	.3	2.1	2.9	1.6	1.1	.6	.6	.4	.3	.0								619	619	564	344				
7/ 69	.3	1.8	2.7	1.0	.8	.5	.4	.2	.0									481	481	700	509				
6/ 67	.2	1.8	2.5	1.0	.7	.3	.2	.1										415	415	777	596				
6/ 65	.1	2.8	1.3	.6	.3	.2	.1	.0										337	337	652	554				
4/ 63	.3	3.8	.8	.5	.3	.2	.1											373	373	690	667				
2/ 61	.2	3.0	.9	.2	.1	.0	.1											280	280	553	657				
7/ 59	.2	2.7	.6	.2	.1	.0	.0											237	237	452	584				
6/ 57	.1	2.1	.4	.1	.0	.0												169	169	372	512				
58/ 55	.1	1.7	.2	.0	.1													127	127	234	455				
4/ 53	.1	1.1	.1	.0	.0													82	82	143	346				
22/ 51	.0	.6	.0	.0														42	42	92	275				
5/ 49	.1	.6	.1															41	41	52	147				
49/ 47	.0	.5	.0															30	30	46	122				
46/ 45		.3																16	16	25	97				
44/ 43		.2																11	11	14	57				
22/ 41		.0																3	3	7	42				
4/ 39																				1	21				
38/ 37																					6				
30/ 35		.0																1	1	1	2				
34/ 33																					1				
Element (X)	Σ x <sup>1</sup>			Σ x			Σ	Σ	No. Obs.			Mean No. of Hours with Temperature													
Rel. Hum.												≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total							
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OLA) REVERSED VARIOUS EDITIONS OF THIS FORM ARE OBSOLETE







2

USE WITH CAUTION  
SEE FIRST PAGE

USE WITH CAUTION  
SEE FIRST PAGE

SEP  
MONTH

PAGE 1 0000-0240  
HOURS (L. S. T.)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFS WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

10703 WESTOVER AFB MA STATION NAME

69-70, 73-75, 80 YEARS

SEP MONTH

PAGE 1 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point				
7 / 77				.2																	3	3		
6 / 75			.2																		1	1		
4 / 73		.2	.6																		4	4		
2 / 71		1.8	.2	.2		.2															12	12	5	
1 / 69	1.6	2.8	2.0	.2	.2	.2	.2														36	36	26	26
6 / 67	.2	1.8	.4	.4	.4																16	16	14	13
6 / 65	.2	4.7	.4	.6		.2															31	31	20	11
4 / 63		4.1	1.4	.4	.2																31	31	31	24
4 / 61		3.0	.4	1.2																	23	23	27	37
2 / 59		2.8	.6	.2	.2	.2															20	20	26	14
2 / 57		6.7	1.6	.2	.2																44	44	18	21
5 / 55		6.7	1.0	.2	.2																41	41	53	31
4 / 53		3.5	1.0	.4	.2																26	26	34	46
2 / 51		5.3	1.0	.2																	33	33	28	33
5 / 49		3.1	2.6																		29	29	31	35
4 / 47		3.9	1.6																		28	28	27	22
4 / 45		3.5	.8	.2																	23	23	36	29
4 / 43		4.1	1.2																		27	27	21	25
2 / 41	.6	4.7	.6																		30	30	38	27
4 / 39	.6	3.9	.4																		25	25	29	41
3 / 37		1.8																			9	9	20	34
2 / 35		1.2																			6	6	9	12
3 / 33		.8																			4	4	5	14
2 / 31	.6	.2																			4	4	6	6
1 / 29	.2	.2																			2	2	2	6
2 / 27																								2
TOTAL	3.9	70.9	17.7	4.9	1.6	.8	.2														508	508	508	508



2

## PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 0600-0800  
HOURS (L. S. T.)

**USAFETAC** FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 64



## PSYCHROMETRIC SUMMARY

14703      WESTOVER AFB MA  
STATION      STATION NAME

69-7C, 73-8C

**YEARS**

SEP  
MONTH

PAGE 1 3900-1143  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point		
1/ 91								.1										1	1				
1/ 89					.1		.1	.1		.1								4	4				
3/ 87						.1	.1	.1										3	3				
6/ 85						.7	.1											7	7				
7/ 83					.3	.3	.1											7	7				
1/ 81					.2	.1												3	3	1			
1/ 79			.1	.7	.9	.4	.3	.2										24	24	1			
7/ 77				.9	.3	.9	.6	.1										25	25	3			
6/ 75		.1	.7	.6	1.2	.8	.3	.4										37	37	15			
4/ 73		.4	1.2	1.1	.9	.7	.6	.3	.2	.2								51	51	22			
1/ 71		.7	1.4	.7	1.1	1.6	.1	.2		.1								53	53	23			
1/ 69		.6	1.7	1.8	.7	1.7	1.0	.7	.1									73	73	33			
5/ 67		1.1	2.2	.9	1.4	2.0	.9	.3										80	80	52			
6/ 65		1.6	1.1	1.7	2.6	1.4	1.3	.3										90	90	60			
4/ 63		1.1	.9	1.8	2.1	2.1	.9											80	80	63			
1/ 61		.9	1.0	1.2	2.2	2.1	.1	.1										69	69	64			
1/ 59	.1	3.2	1.8	2.1	1.3	1.1	.3											90	90	68			
1/ 57		2.3	1.4	1.3	1.8	.7	.3											68	68	105			
5/ 55		1.0	1.1	1.1	1.6	.2	.1											46	46	103			
4/ 53		1.6	.7	.6	.3	.6	.2											35	35	93			
2/ 51		1.2	1.3		.4	.6												29	29	77			
5/ 49		.7	.6		.4	.1												16	16	51			
4/ 47		.1	.1	.3														5	5	36			
4/ 45		.1	.2															3	3	11			
4/ 43			.1															1	1	13			
2/ 41																				13			
40/ 39																				1			
31/ 37																							
6/ 35																							
31/ 33																							
2/ 31																							
0/ 29																							
TOTAL		.116.7	17.3	16.3	20.0	18.1	7.6	3.1	.3	.4								900	900	900			
Element (X)	Σx'			Σx			Σ	Σ <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature													
Rel. Hum.	4364364			61126			67.9	15.386	900	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total							
Dry Bulb	3853328			58428			64.9	8.182	900			36.8	16.2	3.5		90							
Wet Bulb	3133856			52664			58.5	7.619	900			14.9	4.1	.1		90							
Dew Point	2651440			48106			53.5	9.440	900			1.7	8.3	.4		90							



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1973 WESTOVER AFB MA

69-70.73-80

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
5/ 97												.1						1	1		
4/ 93									.1	.1	.2							4	4		
1/ 91								.2	.6	.2	.3							12	12		
1/ 89							.2	.2	.3	.2								9	9		
8/ 87						.1	.4	.3										8	8		
6/ 85					.1	.8	.1	.1	.1	.1								12	12		
4/ 83				.3	.4	.3	.3	.2										15	15		
1/ 81			.1	.7	.8	.9	1.0	.8										38	38		
1/ 79			.4	.8	.9	1.0	.9	.6	.3	.1								45	45	1	
7/ 77		.2	.6	.4	1.1	1.9	2.1	.7	.3	.2								68	68	9	
6/ 75		.2	.4	1.0	.7	1.1	1.8	.6	.3	.3	.3							61	61	17	1
4/ 73		.3	.2	1.6	.4	.8	1.7	1.0	.7	.3								63	63	41	5
1/ 71		.2	1.0	.8	.8	1.2	1.9	2.7	1.1	.3								90	90	31	20
1/ 69		.1	1.2	.8	.4	1.3	2.9	1.6	.6	.1								81	81	38	33
1/ 67		.8	.8	.7	.3	2.0	3.1	1.4	.7	.1								89	89	77	31
6/ 65		.3	.1	.9	1.4	1.2	2.9	.9										70	70	63	44
4/ 63		.6	.3	.6	1.3	2.2	2.3	.8	.1									74	74	65	56
1/ 61	.1	1.0	.8	.7	.3	1.2	1.2	.2										50	50	74	35
1/ 59		2.1	1.1	.2	.6	.9	.6	.3										52	52	72	52
1/ 57		.6	.1	.1	.1	.1	.7	.2										17	17	139	66
5/ 55		.3	.2	.2	.2	.2	.6											16	16	78	63
4/ 53		.8	.3	.1		.2												13	13	70	63
2/ 51		.7																6	6	62	49
1/ 49		.3																3	3	29	71
1/ 47			.2															2	2	13	63
4/ 45			.1															1	1	17	53
4/ 43																				4	58
2/ 41																					43
4/ 39																					33
2/ 37																					18
1/ 35																					14
3/ 33																					6
2/ 31																					15
10/ 29																					3
Element (X)	Σ X'		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature						Total				
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F					
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 64



## PSYCHROMETRIC SUMMARY

SEP  
MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

[illegible]



2



**YEARS**

SEP  
MONTH

1500-1700  
HOURS (L. S. T.)

**USAFETAC**  
FORM  
MAY 44  
**0-26-5 (QLA)**  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



[illegible]



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1973 WESTOVER AFB MA  
STATION STATION NAME

69-70, 73-80  
YEARS

SEP  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31		Dry Bulb	Wet Bulb	Dew Point
8/ 87							.2	.1										3	3		
6/ 85						.3	.1	.1										5	5		
4/ 83					.2	.2												4	4		
2/ 81					.6	.2			.1									8	8		
1/ 79				.4	.6		.1		.1									11	11		
7/ 77		.4	.8	.7	.4	.3	.1		.1									26	26		
6/ 75	.2	.7	.8	1.7	.3	.2	.6	.1										41	41	7	
4/ 73	.6	1.1	1.0	.8	.4	.4	.2											41	41	27	
2/ 71	.7	1.3	1.2	.9	.4		.2											43	43	30	22
1/ 69	.9	2.3	1.7	1.6	.9	.1	.2	.1										70	70	33	36
6/ 67	1.7	2.1	1.2	1.0	1.6	.3	.3											74	74	44	26
6/ 65	1.6	1.6	1.1	1.7	1.3	.3	.1	.2										71	71	63	48
4/ 63	2.1	.8	2.9	1.4	2.2	.6	.1											91	91	72	50
2/ 61	.7	1.8	2.1	2.0	.6	.4	.1											69	69	59	56
1/ 59	2.4	2.1	2.6	1.2	1.0	.3												87	87	62	50
7/ 57	2.6	2.6	1.4	.7	.3	.2												70	70	91	40
5/ 55	1.6	1.6	.9	1.2	.6													52	52	97	81
4/ 53	1.3	1.4	.8	.4	.1													37	37	97	64
2/ 51	1.6	1.7	.4	.2														35	35	55	86
5/ 49	1.4	.9	.3	.2														26	26	59	71
4/ 47	1.0	.4	.4	.1														18	18	45	76
4/ 45	.6	.2																7	7	31	54
4/ 43	.2	.3																5	5	11	39
2/ 41	.2	.2																4	4	8	36
4/ 39	.2																	2	2	7	21
3/ 37																				2	16
3/ 35																					15
3/ 33																					7
2/ 31																					5
2/ 29																					1
TOTAL	21.4	23.3	20.3	17.1	11.0	3.8	2.2	.8										900	900	900	900
Element (X)	Σ X'		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										Total
Rel. Hum.	4889074		64806		72.0		14.252		900		± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F					90
Dry Bulb	3686960		57088		63.4		8.556		900				32.6		13.9		2.8				90
Wet Bulb	3083997		52207		58.0		7.863		900				14.1		3.4						90
Dew Point	2675629		44373		53.7		9.176		900				6		8.4						90

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

1: 703                      WESTOVER AFB MA  
STATION                      STATION NAME

69-70, 73-80

YEARS

SEP  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

[illegible]

REPLACES PREVIOUS EDITIONS OF THIS FORM AND OBSOLETE

0-26-S (OL A)

**USAFETAC**



2

## PSYCHROMETRIC SUMMARY

14713      WESTOVER AFB MA  
STATION      STATION NAME

69-70, 73-80

**YEAR**

SEP  
MONTH

PAGE 2

ALL  
HOURS (L. S. T.)

**USAFETYAC**  
FORM  
JUL 64  
**0-26-5 (OLA)**  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

147-3 WESTOVER AFB MA STATION

69-70, 73-75 YEARS

OCT MONTH

PAGE 1 0000-0210 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point
65		.4	.2	.2														4	4	
63		.2	.4															3	3	
61		1.7	1.5	.4														17	17	3
59		3.0	1.7	1.1														27	27	3
57	.2	2.8	1.1															19	19	14
55		2.8	1.1	.4	.2	.2												22	22	31
53		3.4	1.5	1.3		.2												30	30	17
51		2.6	2.4	1.5	.4													32	32	27
49		3.4	1.3	1.1	.6													30	30	12
47		2.6	.6	.9	1.1													28	28	15
45		3.9	1.3	1.3	.9													34	34	31
43		4.7	1.3	.6														31	31	29
41	.6	3.9	1.5															28	28	31
39	.6	4.3	1.1	.2														29	29	22
37	.2	3.2	.2	.9														21	21	33
35	1.1	3.4	1.5	.6														31	31	41
33	.2	3.2	.4	1.1														23	23	25
31	.9	1.5	.4	1.1														18	18	34
29		1.5	.2															8	8	22
27		3.0	.4															16	16	11
25	.4	1.3	.2															9	9	5
23		1.1	.4															7	7	14
21	.2	.2																2	2	12
19																				13
17																				11
15																				3
13																				2
11																				4
TOTAL	4.5	58.3	20.9	12.7	3.2	.4												465	465	465
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.	3098028		37512		80.712		465		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F	
Dry Bulb	984402		20856		44.910		465				12.0								93	
Wet Bulb	878074		19668		42.39		465				17.5								93	
Dew Point	766845		18183		39.013		465				26.2								93	

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AT-WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

14703 WESTOVER AFB MA  
STATION STATION NAME

69-70, 73-75  
YEARS

OCT  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point					
6/ 65			.6															3	3						
4/ 63			.9															4	4	3					
2/ 61		2.2	.4	.2														13	13		3				
5/ 59		3.2	.4	.6														20	20	19					
7/ 57		2.6	1.3	.4														20	20	16	27				
5/ 55		2.4	1.1	.2	.2													18	18	16	14				
4/ 53		3.2	1.3	1.1	.4													28	28	17	8				
2/ 51		3.0	3.0	.9	.4													34	34	24	24				
5/ 49		1.5	1.9	.6														19	19	21	20				
4/ 47		2.6	.6	.6	.2													19	19	34	21				
4/ 45		3.2	.2	.9	.9													24	24	27	20				
4/ 43		4.3	1.5	1.1	.2													33	33	17	28				
2/ 41	.9	4.1	1.3	.6	.2													33	33	29	29				
4/ 39	.4	3.9	.6	.6														26	26	40	24				
3/ 37	.9	5.4	.6	.9														36	36	36	34				
3/ 35	1.1	4.1	.6	.6														27	27	34	29				
3/ 33		3.0	.4	.4														18	18	19	22				
2/ 31	.6	2.8	.9	.4														22	22	27	33				
3/ 29	1.3	1.7	.6	.2														18	18	21	36				
2/ 27	.9	2.6																16	16	17	18				
2/ 25		2.4																11	11	18	9				
2/ 23	.6	2.2																13	13	15	6				
2/ 21	.4	.6	.2															6	6	8	19				
2/ 19	.2	.4																3	3	5	14				
1/ 17		.2																1	1	2	11				
1/ 15																					8				
1/ 13																					5				
1/ 11																					2				
1/ 9																					1				
TOTAL	7.3	61.5	18.1	10.5	2.6													465	465	465					
Element (X)	$\Sigma X'$		$\Sigma X$		$\bar{X}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature																
Rel. Hum.	3232441		38359		82.5	12.116	465		$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total										
Dry Bulb	913325		19975		43.0	10.913	465			18.0					93										
Wet Bulb	822590		18942		40.7	10.482	465			22.6					93										
Dew Point	725355		17557		37.8	11.602	465			32.4					93										



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA  
STATION STATION NAME

69-70,73-80  
YEARS

OCT  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
71			.1															1	1						
67		.1	.3	.1														5	5	1					
65		.4	.3		.1													8	8	2	2				
63		1.2	.3															14	14	10	5				
61		2.3	.3	.2														26	26	16	6				
59		2.6	.9	.5	.1	.1	.1											40	40	27	25				
57	.4	3.5	.8	.7	.1	.1												51	51	36	37				
55	.2	1.7	1.4	1.3	.2													45	45	42	32				
53	.4	1.7	1.3	.9														40	40	31	29				
51	.5	2.6	2.7	1.2	.2	.1												61	61	41	29				
49	.1	3.0	1.5	.4	.2													48	48	59	40				
47	.4	3.7	1.4	1.3	1.0													72	72	58	41				
45	.1	2.8	2.1	1.2	.7													63	63	61	58				
43	.3	3.9	2.6	1.7	.3													75	75	49	50				
41	.8	2.7	2.3	1.1	.1													64	64	84	60				
39	.4	2.7	1.6	.7	.3													53	53	71	56				
37	.5	2.2	.2	.8														34	34	59	61				
35	.3	2.4	.5	.5														35	35	44	49				
33	.9	4.3	.4	.3														54	54	50	52				
31	.9	3.0	.9	.2														45	45	50	68				
29	.8	2.3	.5	.2														35	35	48	40				
27	.2	1.0	.1															12	12	24	48				
25	.3	1.0	.1															13	13	24	34				
23		.5																5	5	9	24				
21	.4	.5																9	9	8	27				
19	.3	.2																5	5	7	13				
17		.2																2	2	4	9				
15																					13				
13																					5				
9																					2				
TOTAL	8.5	52.8	22.2	12.7	3.4	.3	.1											915	915	915	915				
																						915		915	915
Element (X)	Σx <sup>2</sup>		Σx		X	C <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature															
Rel. Hum.	6161843		74157		81.0	12.884		915		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	1941681		41065		44.9	10.391		915			12.8	.6				93									
Wet Bulb	1738008		38784		42.4	10.145		915			17.7	.1				93									
Dew Point	1521387		35821		39.1	11.363		915			28.8					93									



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA  
STATION STATION NAME

69-70, 73-80  
YEARS

OCT  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
70 / 77						.1	.1											2	2		
64 / 73						.1												1	1		
57 / 71			.1	.4	.4	.2	.3	.1										15	15		
50 / 69		.3	.3	.8	.4	.2	.1											20	20		
43 / 67		.1	.6	1.1	.2	.1	.1	.1										22	22	7	2
36 / 65		1.1	1.5	.4	.5	.4	.8	.1	.1									46	46	9	2
29 / 63		1.0	.6	.5	1.1	1.0	.1	.1										41	41	35	12
22 / 61		1.4	1.0	1.2	.9	1.0	.5	.2										57	57	39	21
15 / 59	.1	1.5	1.2	1.3	1.7	1.1	.8											71	71	29	44
8 / 57		.5	1.1	.5	2.9	1.1	.6											63	63	43	27
50 / 55	.1	1.2	1.4	1.5	1.6	.9												62	62	38	25
44 / 53	.1	1.9	1.8	2.6	1.8	1.0	.4											90	90	65	27
37 / 51	.1	1.3	1.6	1.9	1.5	1.4	.1											74	74	70	45
30 / 49		1.6	2.3	2.2	2.6	1.1	.2	.1										93	93	95	44
23 / 47	.2	1.5	.9	1.7	2.3	1.0												70	70	87	46
16 / 45	.2	1.2	1.4	1.5	2.2	.4												64	64	78	70
9 / 43	.1	1.6	1.2	1.3	1.0													48	48	64	70
2 / 41	.1	.1	.8	.8	1.3	.3												31	31	82	74
4 / 39		.1	.5	.9	.1													15	15	57	66
30 / 37		.8	.4	.9	.2													21	21	50	48
16 / 35		.9	.2	.4	.2													16	16	28	41
34 / 33	.1	.2	.2	.2	.1													8	8	28	4
22 / 31																				17	60
20 / 29																				5	44
20 / 27																				4	34
20 / 25																					18
24 / 23																					21
2 / 21																					17
10 / 19																					7
10 / 17																					10
16 / 15																					4
14 / 13																					1
1 / 11																					1
10 / 9																					1
Element (X)	Σ x'		Σ x		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					



2

## YEARS

69-72, 73-80

OCT  
MONTH

PAGE 2

5970-11.0  
HOURS (L, S, T.)

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
6/ 85								.1										1	1					
4/ 83							.1			.2	.1							4	4					
1/ 81							.1											1	1					
1/ 79									.1	.2								3	3					
7/ 77									.2	.4	.3							9	9					
6/ 75					.1	.6	.5	.5	.1									18	18					
4/ 73			.1	.3	.4	.9	.3	.1	.2	.1								23	23					
1/ 71		.1	.1	.3	2.3	.3	.4	.3	.6	.1								43	43	2				
1/ 69		.1	.2	.8	.9	.6	1.7	.8	.8	.1								48	48	4	1			
6/ 67			.4	.9	.3	.5	1.9	.8	.3	.2								50	50	6	3			
6/ 65		1.3	.5	.5	.4	1.6	1.5	.9	.6	.1								70	70	35				
4/ 63		.4	.4	.8	1.5	1.9	1.3	1.1	.4									73	73	56	13			
2/ 61		.3	.4	.6	.9	1.0	1.1	.9	.4									52	52	45	26			
1/ 59	.1	.3	.3	.8	1.3	2.3	1.4	.2										62	62	28	35			
1/ 57		.4	.6	1.5	2.6	2.5	1.5	.9										93	93	48	33			
5/ 55	.1	1.4	.5	.6	.6	1.6	1.7	.5										67	67	75	24			
4/ 53		.1	.5	.8	1.6	2.8	2.2	.3										77	77	78	37			
2/ 51		1.0	.8	.2	1.6	2.2	1.7	.3										72	72	73	33			
50/ 49	.1	.9	.6	.5	.9	1.8	.5											50	50	91	50			
1/ 47		.8	.2	1.4	1.1	.1												33	33	76	52			
40/ 45	.1	.9	.5	.3	.6	1.1	.2											35	35	69	75			
44/ 43		.2	.3	.1	.6	.6												18	18	74	51			
42/ 41		.1		.2	1.2	.1												15	15	68	57			
4/ 39		.2			.2													4	4	43	42			
38/ 37		.3																3	3	23	50			
70/ 35		.3			.3													6	6	23	50			
34/ 33																				17	38			
1/ 31																				1	52			
1/ 29																					51			
20/ 27																				3	42			
10/ 25																					34			
24/ 23																					19			
2/ 21																					11			
1/ 19																					15			
Element (X)	Σ x <sup>2</sup>			Σ x		x̄		c <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.												≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																								
Wet Bulb																								
Dew Point																								



2

## PSYCHROMETRIC SUMMARY

14703                      WESTOVER AFB MA  
STATION                      STATION NAME

69-70, 73-8C

YEARS

CCT  
MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA STATION NAME

69-73, 73-80 YEARS

OCT MONTH

PAGE 1 1500-17 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL												
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
6 / 35								.1										1	1															
4 / 37								.1		.1								2	2															
1 / 81										.1								1	1															
1 / 79								.1	.1	.1								3	3															
7 / 77								.4	.1	.1								6	6															
3 / 75					.3	.2	.4	.2	.2	.2								15	15															
4 / 73					.1	.9	.2	.2	.5	.2								20	20															
1 / 71			.1	.6	1.9	.6	.4	.4	.5	.2								46	46	1														
1 / 69			.4	1.0	1.1	.1	.4	1.0	.4									41	41	2														
1 / 67		.1	.9	.9	.3	1.0	1.2	.8	.4	.3								54	54	4	1													
6 / 65		1.0	.4	.8	.8	1.5	1.2	.6	.4	.2								64	64	30	2													
4 / 63		1.1	.1	1.0	.9	1.8	1.1	.6	.6									67	67	58	14													
1 / 61		.5	.2	.8	.9	1.3	1.4	.9	.3									58	58	36	27													
1 / 59		.5	.9	.8	1.5	2.2	1.5	.6	.1									75	75	33	36													
1 / 57	.3	.4	.3	1.1	1.4	1.4	1.8	.8										70	70	57	35													
5 / 55		1.0	.9	.8	1.6	1.5	1.6	.6	.1									74	74	73	35													
4 / 53	.1	.3	1.0	1.1	1.2	2.4	1.7	.3	.1									76	76	64	31													
1 / 51		1.2	.6	.4	1.5	2.0	1.3											66	66	71	29													
5 / 49		.9	.2	.5	1.6	1.7	.4											50	50	91	40													
1 / 47		.5	.1	.9	1.8	1.5	.1											46	46	68	65													
4 / 45	.1	1.1	1.0	.3	1.0	.8	.1											40	40	70	56													
4 / 43		.1	.1	.3	.9	.6												19	19	74	50													
2 / 41		.1	.1	.2	.6	.2												12	12	71	59													
40 / 39		.2		.4	.5													11	11	49	45													
3 / 37	.1	.1		.2	.2													6	6	33	46													
2 / 35		.3		.1	.3													7	7	15	48													
34 / 33																				18	47													
2 / 31																				8	59													
10 / 29																				1	51													
2 / 27																				3	42													
20 / 25																					34													
24 / 23																					9													
2 / 21																					24													
1 / 19																					10													
Element (X)	Σ x'				Σ x				Σ				Σ <sub>s</sub>				No. Obs.				Mean No. of Hours with Temperature													
Rel. Hum.																					≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2

## YEARS

OCT

**MONTH**

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

1-703                      #ESTOVER AFB MA  
STATION                      STATION NAME

69-70, 73-80

**YEARS**

ACT

MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
67 / 75					.1													1	1					
47 / 73					.1		.1	.1										3	3					
27 / 71				.1	.1	.2	.2											6	6					
7 / 69			.3	.1	.2		.1		.1									8	8					
57 / 67		.2	.9	1.0	.4	.1												24	24	2				
67 / 65		.9	.6	.5	.2	.1		.2										24	24	8	2			
47 / 63		1.5	1.4	.9	.3	.8	.2											47	47	21	6			
27 / 61	.3	1.2	1.7	1.2	1.2	.6			.1									59	59	41	28			
7 / 59		1.8	2.0	2.0	.9	1.0	.3											75	75	42	26			
57 / 57	.3	1.2	1.0	1.7	2.5	.5	.2	.1										70	70	45	36			
57 / 55	.3	1.2	.9	2.5	1.0	.6	.2											62	62	51	45			
47 / 53	.3	.4	1.5	1.9	1.0	.6	.2											56	56	64	44			
27 / 51		1.3	2.3	1.9	1.7	.6	.1											74	74	42	25			
7 / 49	.1	1.8	1.6	1.2	2.6	.8												75	75	88	35			
7 / 47	.3	1.5	1.3	1.9	2.8	.2												75	75	73	65			
47 / 45		1.3	.9	1.8	1.2	.1												49	49	65	62			
47 / 43		1.0			.9	.1												52	52	68	53			
27 / 41		.4	2.2	1.2	.3	.1												38	38	62	57			
40 / 39	.1	.8	1.4	1.8	.5													43	43	64	51			
37 / 37		.8	1.0	1.0	1.0													34	34	61	39			
10 / 35		1.1	.2	1.0	.1													22	22	33	53			
34 / 33	.1	.3	1.2	.3	.1													19	19	41	65			
27 / 31		.1	.5	.2														8	8	24	57			
10 / 29		.2	.3															5	5	23	43			
23 / 27		.1																1	1	7	32			
25 / 25																				5	36			
24 / 23																					21			
27 / 21																					17			
27 / 19																					13			
10 / 17																					9			
10 / 15																					7			
13 / 11																					2			
5 / 9																					1			
Element (X)	Z <sub>X</sub> <sup>1</sup>		Z <sub>X</sub>		X		e <sub>a</sub>		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								



2

## PSYCHROMETRIC SUMMARY

14703                      WESTOVER AFB MA  
STATION                      STATION NAME

69-70, 73-80 \_\_\_\_\_ YEARS

QCI  
MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

USAFETAC  
FORM  
NM 44  
0-26-5 (PLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

14773 WESTOVER AFB MA STATION NAME

69-70.73-80 YEARS

OCT MONTH

PAGE 1 21.0-23.00 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
7 / 69				.2	.3	.3												5	5						
6 / 67		.2	.3		.2													4	4						
6 / 65		.3	.9	.3														10	10	2	1				
4 / 63		.9	1.3	.5														17	17	8	2				
2 / 61	.2	1.9	1.7	.6	.2	.2	.2											31	31	14	10				
1 / 59	.2	2.0	1.7	.8	.2													31	31	27	13				
1 / 57	.2	2.5	1.1	.9	.6	.2												35	35	30	23				
5 / 55		3.8	.6	.9	1.3													42	42	27	34				
4 / 53	.5	1.4	1.7	1.6	1.1													40	40	43	30				
2 / 51		2.2	1.9	1.9	.5													41	41	21	27				
50 / 49		2.2	1.7	1.7	1.4													45	45	40	20				
3 / 47	.2	3.1	2.0	1.7	1.3													53	53	48	33				
45 / 45	.2	2.8	1.1	1.7	.5													40	40	52	29				
4 / 43		3.1	2.7	1.1	.5													47	47	46	43				
2 / 41	.2	1.3	2.4	.6	.5													31	31	51	41				
4 / 39		2.2	1.6	.6	.2													29	29	40	43				
34 / 37	.8	2.4	.9	.5	.6													33	33	39	37				
26 / 35	.2	2.4	1.4	.5	.2													29	29	36	34				
34 / 33	.3	1.7	1.3	.8														26	26	31	51				
2 / 31	.3	1.4	.8	.5														19	19	20	42				
22 / 29		1.3	.6	.3														14	14	22	22				
22 / 27		1.6	.5	.2														14	14	24	22				
26 / 25																				12	18				
24 / 23																				3	16				
2 / 21																					17				
1 / 19																					10				
15 / 17																					9				
15 / 15																					4				
14 / 13																					2				
12 / 11																					3				
TOTAL	3.0	40.7	28.3	17.9	9.3	.6	.2											636	636	636	636				
																						636		636	
Element (X)	Σg'		Σg		Σ		Σg		No. Obs.		Mean No. of Hours with Temperature											Total			
Rel. Num.	3787352		48306		76.0		13.653		636		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F									
Dry Bulb	1501918		30266		47.6		9.851		636			6.9	1.3						93						
Wet Bulb	1302631		28121		44.2		9.660		636				11.8						93						
Dew Point	1100507		25861		40.0		11.310		636				24.1						93						

USAFETAC FORM 0-26-5 (OLA) REVERSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



21

## 1

YEARS

  OCT    
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**



2

## 1

**YEARS**

OCT  
MONTH

ALL  
HOURS (L. S. T.)

USAFETAC 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
FORM JUL 64



Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
5 / 67				.4														2	2					
6 / 65				.4														2	2					
4 / 63			.2	.4	.4													5	5					
2 / 61																				3				
1 / 59		.4																2	2	3				
5 / 57	.2	.7			.2		.2											6	6	6	8			
5 / 55		1.8	.2	.2	.2	.7												14	14	5	2			
4 / 53		2.2	.4		.7													17	17	10	7			
2 / 51	.2	2.7	2.2		.4	.7												28	28	11	17			
5 / 49	1.1	2.7	3.1		.4	.2												34	34	22	13			
4 / 47	.4	4.4	1.3	.7														31	31	26	15			
4 / 45		2.7	1.6	.7														22	22	41	20			
4 / 43		3.1	1.6	.9	.2													26	26	31	33			
2 / 41		1.3	.7	1.8	.9													21	21	22	19			
4 / 39	.7	2.0	2.2	.4														24	24	18	25			
1 / 37		3.6	1.8	1.1														29	29	24	12			
1 / 35	.2	3.1	3.8	.9														36	36	32	19			
3 / 33	1.3	5.8	1.1	.7														49	49	37	30			
2 / 31	.2	2.2	1.3	.4														19	19	48	31			
3 / 29	.7	2.7	.7	.9														22	22	27	37			
2 / 27	.7	2.4	.4	.4														18	18	28	25			
1 / 25	.4	1.8	.9															14	14	12	27			
2 / 23	.2	1.6	.7															11	11	15	33			
1 / 21	.9	.9	.2															9	9	17	25			
1 / 19	.7	.7	.2															7	7	8	14			
1 / 17		.4																2	2	4	12			
1 / 15																				1	9			
1 / 13																					6			
1 / 11																					5			
1 / 9																					2			
1 / 7																					3			
1 / 5																					1			
TOTAL	9.0	49.1	26.7	10.4	3.3	2.2	.2											450	450	450	450			
Element (X)	Σx'		Σx		Σ	Σ <sub>2</sub>	No. Obs.		Mean No. of Hours with Temperature															
Rel. Hum.	2823622		35088		78.0	14.025	450		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total									
Dry Bulb	767272		18010		40.0	10.174	450			20.4	.4				90									
Wet Bulb	671231		16821		37.4	9.725	450			32.0					90									
Dew Point	556070		14996		33.3	11.201	450			46.0					90									



## PSYCHROMETRIC SUMMARY

NOV  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

[illegible]



**USAFETAC** FORM 0-26-5 (O-L-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1-703 WESTOVER AFB MA  
STATION STATION NAME

69-73.73-80  
YEARS

NOV  
MONTH

PAGE 1 2900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
71			.1															1	1		
69				.1		.1												2	2		
67		.1	.2		.2													5	5	1	
65		.1	.2	.2	.3	.1	.1		.1									11	11	1	2
63		.1	.1	.2	.2	.1	.1											8	8	5	
61		.6	.3			.2												10	10	3	6
59		.9	.2	.1	.3													14	14	14	5
57		.8	.4	.3	.4	.2	.2											22	22	15	6
55	.2	1.3	.3	.4	.6	.2	.2											30	30	16	14
53		1.2	1.4	.8	.4	.8	.1											43	43	17	19
51		1.2	2.1	1.4	.8	.1												51	51	27	27
49	.1	1.8	2.3	1.1	1.3	.3												63	63	39	2
47	.1	2.3	1.8	1.0	1.7	.4												66	66	54	25
45		2.2	1.8	2.0	2.3	.8												82	82	62	44
43	.1	2.9	1.8	2.1	1.9													79	79	63	28
41	.1	2.2	2.1	2.9	1.8	.1												83	83	71	55
39	.1	1.6	2.4	2.4	1.3													71	71	67	59
37	.1	1.6	1.9	2.2	.8													59	59	83	48
35	.3	1.2	2.7	1.9	.6													60	60	90	40
33	.3	1.2	1.2	1.6	.2													41	41	71	56
31		1.6	1.3	1.2	.2													39	39	64	56
29		.9	1.6	.6														27	27	39	61
27		1.0	.3	.3														15	15	42	68
25		.4	.3	.1														8	8	30	62
23		.1	.1															2	2	13	47
21		.1	.4															5	5	4	37
19			.3															3	3	2	45
17																				6	29
15																				1	18
13																					14
11																					10
9																					4
7																					2
5																					3
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		
Rel. Hum.																					
Dry Bulb																					
Wet Bulb																					
Dew Point																					
Mean No. of Hours with Temperature																Total					
																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F



2

## PSYCHROMETRIC SUMMARY

YEARS

NOV  
MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

**USAFETAC**  
FORM  
AIR 64  
**0-26-5 (OLA)**  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

10703 WESTOVER AFB MA  
STATION STATION NAME

69-70, 73-80  
YEARS

NOV  
MONTH

PAGE 1 12-0-14-0  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point									
10/ 75			.2	.1														3	3										
4/ 73					.1	.1	.2											4	4										
7/ 71						.2	.4	.1										7	7	2									
7/ 69				.1	.2	.3	.1	.1										8	8	1	2								
6/ 67			.1	.3	.3	.1				.3								11	11		1								
6/ 65		.1	.6		.1	.4	.2											13	13	1									
4/ 63		.4			.2	.8	.1	.1		.2								17	17	4									
7/ 61		.4	.6	.6	.3	.4	1.0	.1	.1		.1							32	32	25	4								
7/ 59		.4	.3	.9	.6	.7	.9	.3										37	37	8	14								
7/ 57		.3	.9	1.1	.8	.4	.7	.3										40	40	19	9								
5/ 55		.4	.6	2.2	.8	1.2	.2	.1										50	50	17	11								
4/ 53		.4	.8	1.4	1.4	1.2	.2											50	50	35	14								
2/ 51	.1	2.1	1.4	1.1	1.8	1.2	.4											74	74	32	21								
5/ 49		.2	1.7	1.2	1.3	2.1	.4											61	61	73	24								
7/ 47		1.0	1.2	1.3	3.2	2.4	.2											85	85	52	37								
4/ 45		1.6	1.2	1.4	4.0	1.1	.2											86	86	69	22								
4/ 43	.1	1.1	.6	2.2	3.1	.8												70	70	62	31								
2/ 41	.3	.6	.9	1.8	3.1	.3												63	63	66	47								
40/ 39	.1	.7	1.1	2.0	2.7	.2												60	60	78	47								
3/ 37		.4	.9	1.3	2.0	.1												43	43	95	51								
0/ 35		.3	.9	1.0	1.1													30	30	67	37								
33/ 33		.7	.4	1.1	.6													25	25	68	39								
2/ 31		.3		.6	.3													11	11	43	53								
10/ 29	.2	.4	.2	.2	.2													12	12	39	57								
2/ 27		.1		.1														2	2	18	77								
0/ 25				.2														2	2	12	62								
24/ 23		.1	.1															2	2	3	57								
2/ 21			.2															2	2	5	46								
7/ 19																				4	31								
7/ 17																					22								
10/ 15																					32								
7/ 13																					18								
17/ 11																					5								
7/ 9																					7								
Element (X)	Σ X'			Σ X			X			e <sub>a</sub>			No. Obs.			Mean No. of Hours with Temperature													
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																													
Wet Bulb																													
Dew Point																													



2

**YEARS**

NO  
MONTA

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFM WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1-003 STOVER AFB MA STATION NAME

69-70, 73-80 YEARS

NOV MONTH

PAGE 1 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
6/ 75					.0													2	2			
4/ 73						.2	.2											4	4			
1/ 71					.1	.2		.1										4	4			
1/ 69				.1	.1	.2		.2										6	6	1		
6/ 67				.1	.3	.1		.1		.1								7	7	1		
6/ 65		.4	.3	.7	.2	.4	.3		.1		.1							23	23		1	
4/ 63		.4	.1			.4	.3	.2										14	14	10	1	
1/ 61		.6	.9	.3	.1	.3	.8	.1	.2	.1								31	31	11	8	
1/ 59		1.0	.1	.6	.3	1.2	.7	.2										37	37	23	5	
1/ 57		.2	.8	1.1	.8	.3	.4	.3										36	36	17	12	
5/ 55		.2	.4	.7	1.0	.7	.6	.1										33	33	16	20	
5/ 53	.1	1.4	.7	1.7	1.2	1.4	.1											60	60	26	20	
2/ 51		1.0	1.9	1.1	1.6	1.6	.2											66	66	37	9	
5/ 49	.2	1.2	1.1	1.0	1.7	1.6	.4											65	65	63	31	
1/ 47		1.3	1.1	.7	1.2	2.0	.1											58	58	57	23	
5/ 45	.1	1.6	1.0	1.0	3.9	1.3	.1											81	81	62	34	
4/ 43		2.0	.9	2.2	3.0	.8												80	80	67	40	
2/ 41	.1	.8	.4	2.3	1.8	.4												53	53	57	61	
1/ 39		.8	1.1	3.6	2.4	.1												72	72	64	51	
2/ 37		.4	1.6	1.9	2.4	.1												58	58	89	26	
6/ 35		.6	1.0	2.2	1.2													45	45	76	50	
34/ 33		.3	.8	1.4	.2													25	25	66	30	
2/ 31	.2	.4	.9	.8	.1													22	22	59	45	
0/ 29	.1	.1	.1	.6	.1													9	9	48	50	
25/ 27				.1	.1													2	2	27	76	
25/ 25				.3														3	3	8	83	
24/ 23			.1															1	1	5	44	
2/ 21		.3																3	3	8	33	
0/ 19																				2	48	
15/ 17																					34	
15/ 15																					21	
14/ 13																					15	
12/ 11																					14	
9/ 9																					3	
Element (X)	Σ X'			Σ X			Σ		Σ		No. Obs.		Mean No. of Hours with Temperature									
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2.

YEARS

NOV  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]

FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

10793 WESTOVER AFB MA

69-70, 73-80

NOV  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
1 / 69					.1													1	1													
2 / 67			.2	.2	.3													7	7													
3 / 65		.2	.2	.3														7	7													
4 / 63		.6	.1	.8			.1											14	14	6												
5 / 61			.1	.1			.2											4	4	11	8											
6 / 59	.2		.7			.1		.1										10	10	8	6											
7 / 57		1.1	1.7		.6	.3	.1											28	28	9	3											
8 / 55		.6	1.4	.4	.4	.3												29	29	17	11											
9 / 53	.2	1.3	1.8	.9	.3	.7	.1											48	48	19	14											
10 / 51		1.9	2.1	1.3	.9	.3												59	59	30	20											
11 / 49	.3	1.7	1.8	1.1	.7													50	50	53	29											
12 / 47		1.8	1.2	.3	1.2	.6												50	50	47	33											
13 / 45	.2	2.2	1.0	2.1	1.9	.1												68	68	61	21											
14 / 43		3.1	1.4	2.3	1.6	.1												77	77	49	53											
15 / 41	.2	1.9	1.4	2.6	1.2													66	66	66	52											
16 / 39	.1	1.4	1.8	2.3	.6													56	56	51	46											
17 / 37		1.1	1.8	3.6	.6													63	63	71	28											
18 / 35	.1	1.6	3.1	3.1	.2													73	73	64	44											
19 / 33		1.2	3.6	3.0														70	70	68	49											
20 / 31		1.7	2.6	1.6	.1													53	53	76	47											
21 / 29	.3	1.6	1.6	.3	.1													35	35	76	43											
22 / 27	.1	.9	.4	.3														16	16	59	73											
23 / 25		.3	.6	.1														9	9	35	67											
24 / 23		.1	.1	.1														3	3	12	64											
25 / 21	.1	.1																2	2	7	35											
26 / 19			.1															1	1	3	57											
27 / 17		.1																1	1	1	4											
28 / 15																				1	22											
29 / 13																					9											
30 / 11																					6											
31 / 9																					7											
32 / 7																					3											
33 / 5																					1											
34 / 3																					1											
Element (X)	Σ X'			Σ X			Σ X			Σ X			Σ X			Σ X			Mean No. of Hours with Temperature													
Rel. Hum.																			≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																																
Wet Bulb																																
Dew Point																																

USAFETAC FORM 0-26-5 (OLA) REVERSED MIRROR SIDE OF THIS FORM ARE OBSOLETE



2

**YEARS**

69-72,73-80

NOV  
MONTH

PAGE 2

1800-200  
HOURS (L-S-T)

**USAFETAC**  
FORM  
0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
 SEE FIRST PAGE

1703 WESTOVER AFB MA STATION NAME

69-72,73-82 YEARS

NOV MONTH  
 PAGE 1 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
69					.3													2	2				
67			.1	.1														2	2				
65			.1	.1														2	2				
63		.4	.3	.7														10	10	2			
61		.1		.3														3	3	6	3		
59	.1		.3				.3											5	5	8	4		
57	.1	.9	.8	.1		.1												16	16	5	7		
55		.9	.7	.3	.3		.1											17	17	12	5		
53		1.7	2.0		.1	.8												35	35	14	13		
51		2.3	1.7	.5	.5													38	38	25	16		
49	.5	2.5	2.1	.9	.4	.1												50	50	38	34		
47	.1	2.1	1.2	.9	.1	.1												35	35	38	26		
45	.1	3.1	1.2	.9	.9													47	47	39	13		
43		3.1	1.5	1.7	.7													52	52	52	37		
41		2.4	1.7	2.8	.8													58	58	38	52		
39	.1	2.1	2.8	2.0	.1													54	54	41	23		
37	.1	1.3	2.0	2.7	.4													49	49	59	33		
35	.3	2.1	3.2	3.1														65	65	52	36		
33	.4	3.1	3.5	2.3														69	69	61	45		
31	.5	2.3	1.6	1.6	.1													46	46	73	45		
29	.3	2.4	1.6	.1														33	33	61	40		
27	.5	.9	1.6															23	23	51	50		
25	.1	1.2	.7	.3														17	17	31	61		
23	.1	.7	.1															7	7	20	46		
21	.3	.8	.1	.1														10	10	14	46		
19		.1	.1															2	2	4	36		
17	.1	.1																2	2	3	32		
15																					2	16	
13		.1																1	1	1	9		
11																						10	
9																						5	
7																						2	
5																						2	
3																						2	
Element (X)	Σ x <sup>2</sup>		Σ x		Σ	Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x	
Rel. Hum.																							
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC FORM 0-20-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 64



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

14703                      WESTOVER AFB MA  
STATION                      STATION NAME

69-72, 73-80

**YEARS**

**NOV**  
**MONTH**

PAGE 2

2100-2300  
HOURS (L. S. T.)

[illegible]



2

•

YEARS

NOV  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

**USAFETAC**  
FORM  
SA 44  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2

1

NOV  
MONTH

ALL  
HOURS (L. S. T.)

**USAFETAC**  
FORM  
JAN 64  
**0-26-5 (OLA)**  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

14703 WESTOVER AFB MA  
STATION STATION NAME

69-70, 73-75  
YEARS

DEC  
MONTH

PAGE 1

0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL																			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point																						
61		.7																3	3																							
59				.7														3	3	3	1																					
57																					2																					
55		.5																2	2	2																						
53		.2		.2														2	2	4	2																					
51				.2														1	1		1																					
49			.5	.2														3	3		3																					
47		.9	.2															5	5	3																						
45		1.6	.2															8	8	7	1																					
43	.5	1.1	.5															9	9	10	2																					
41		2.7	.2	1.8														21	21	7	10																					
39	1.6	1.6	.5	.2														17	17	25	10																					
37		1.6	.7	1.1														15	15	5	20																					
35	.5	2.3	2.3	.2	.2													24	24	20	9																					
33	.5	2.9	3.9		.2													33	33	18	5																					
31		2.5	3.6	.2	.2													29	29	30	11																					
29		4.5	3.9															37	37	30	18																					
27	1.1	3.6	2.5															32	32	42	24																					
25	.5	2.3	3.4															26	26	37	26																					
23		4.1	3.6															34	34	21	31																					
21	.2	4.3	1.6															27	27	37	22																					
19	1.4	2.9	.7															22	22	41	30																					
17	1.1	3.4	1.1															25	25	25	28																					
15		2.3																10	10	11	33																					
13	.2	2.9	.2															15	15	15	18																					
11	.7	2.0																12	12	18	31																					
9	.7	.9																7	7	8	22																					
7		.5																2	2	3	23																					
5	.7	.9																7	7	7	14																					
3	.5																	2	2	4	7																					
1	.2	.2																5	5	5	8																					
-1																					4																					
-3																					10																					
-5																					3																					
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ																					
Rel. Hum.																																										
Dry Bulb																																										
Wet Bulb																																										
Dew Point																																										
Mean No. of Hours with Temperature																					Total																					



2

USE WITH CAUTION  
SEE FIRST PAGE

69-70, 73-75

YEARS

DEC  
MONTH

PAGE 2 0000-0200  
HOURS (L. S. T.)

**USAFETAC**  
FORM  
M 44  
0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2

USE WITH CAUTION  
SEE FIRST PAGE

69-70, 73-75

**YEARS**

DEC  
MONTH

PAGE 1 C300-0560  
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2

USE WITH CAUTION  
SEE FIRST PAGE

69-70, 73-75

**YEARS**

DE  
MONTH

PAGE 7

0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
- / -9	.2																	1	1	1	3	
- / -11																					1	
-1 / -13																					2	
-1 / -15																					1	
T T L	14.3	58.0	21.3	5.9	.5													441	441	441	441	

**USAFETAC**  
FORM  
AF 44  
**0-26-5 (OL A)**  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1 003 WESTOVER AFB MA STATION NAME

69-7 .73-80 YEARS

USE WITH CAUTION  
SEE FIRST PAGE

DEC  
MONTH

PAGE 1 7600-08-1  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
7/ 61				.3														2	2						
7/ 59		.3	.3															4	4						
7/ 57			.1															1	1	2					
5/ 55		.4																3	3	5					
4/ 53				.1														1	1	3	6				
2/ 51		.4																3	3	2					
5/ 49		.1	.7															6	6	1	3				
7/ 47		.5	.1	.1														6	6	5	1				
4/ 45		.3	.5	.3	.1													9	9	8	4				
4/ 43	.3	.8	.7	.5														17	17	7	2				
2/ 41	.1	1.1	.4	.4	.1													16	16	15					
4/ 39	.1	1.1	.8	.5	.1													20	20	14	13				
3/ 37	.1	2.5	1.9	.5	.1													39	39	20	9				
7/ 35	.7	2.0	.9	.9	.1													35	35	30	27				
3/ 33	.7	3.2	1.7	.8														48	48	52	15				
2/ 31	.7	4.7	2.4	.9														65	65	43	41				
7/ 29	.4	3.6	3.6	.1														58	58	52	34				
7/ 27		2.8	2.8															42	42	49	31				
7/ 25	.4	3.7	2.3	.3														50	50	68	31				
2/ 23		3.3	2.7	.1														46	46	47	35				
2/ 21	.7	2.0	3.5	.5														50	50	50	36				
7/ 19	.4	4.8	1.2	.3														50	50	50	31				
7/ 17	.7	3.2	.3															31	31	57	61				
7/ 15	.4	2.9	.8															31	31	29	47				
4/ 13	.4	2.4	.3															23	23	32	39				
12/ 11	.9	2.3	.7															29	29	24	46				
7/ 9	.1	1.1	.1															10	10	22	36				
7/ 7	.1	1.7	.1															15	15	12	34				
7/ 5	.3	.5																6	6	15	20				
4/ 3		.7																5	5	5	21				
7/ 1	.1	.9																8	8	3	21				
7/ -1	.3																	7	7	9	12				
- / -3	.7	.1																6	6	5	6				
-4/ -5	.4	.1																4	4	4	17				
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Mean No. of Hours with Temperature						
Rel. Hum.																			≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OLA) REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2

USE WITH CAUTION  
SEE FIRST PAGE

69-70, 73-80

STATION

STATION NAME

**YEARS**

PAGE 2 1

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 100-1A



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

16703 WESTOVER AFB MA STATION NAME

69-70, 73-80 YEARS

DEC MONTH

PAGE 1 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL																	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																			
61			.1															1	1																				
59		.1	.2															3	3																				
57		.1	.1															2	2	3																			
55		.3			.1													4	4	3	3																		
53		.1	.1		.1													3	3	4	6																		
51		.2	.2	.3	.2	.1												10	10		1																		
49	.2	.4	.2	.2	.2		.1											13	13	6	4																		
47		.2	.3	.2	.3	.1												11	11	10	5																		
45		.8	.3	.4	.7		.1											21	21	8	1																		
43		.8	.7	1.4	.3	.2												31	31	14	5																		
41		.9	1.4	1.7	.1													37	37	18	6																		
39		1.4	1.4	1.2	.7													43	43	26	15																		
37	.3	1.2	1.9	1.8														47	47	49	18																		
35	.3	2.1	2.6	2.8	.3													73	73	49	21																		
33	.6	2.1	3.3	1.9	.2													70	70	54	29																		
31	.3	3.4	3.4	2.1	.1													85	85	75	43																		
29		2.7	3.4	1.1														65	65	78	48																		
27	.1	2.2	3.6	1.1	.1													64	64	77	48																		
25	.1	2.9	3.7	.6														65	65	66	55																		
23	.2	1.6	3.4	.6														52	52	80	34																		
21		1.4	2.9	.2														41	41	52	53																		
19	.1	2.7	2.6	.2														50	50	55	67																		
17	.1	1.3	1.4															26	26	50	61																		
15		2.0	1.2															29	29	33	51																		
13		1.0	.9															17	17	29	52																		
11	.2	1.2	.1															14	14	22	52																		
9	.1	.8	.2															10	10	15	42																		
7	.1	.1	.2															4	4	10	33																		
5		.6																5	5	5	32																		
3		.2																2	2	3	26																		
1		.2																2	2	3	11																		
-1																				1	13																		
-3																					15																		
-5																					15																		
Element (X)	Σ X'			Σ X			X			° F			No. Obs.			Mean No. of Hours with Temperature																							
Rel. Hum.																≤ 0 F						≤ 32 F			≥ 67 F			≥ 73 F			≥ 80 F			≥ 93 F			Total		
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							



## PSYCHROMETRIC SUMMARY

**YEARS**

DEC  
MONTH

HOURS (L - S - T)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA STATION NAME

69-70-73-80 YEARS

DEC MONTH

PAGE 1 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
6/ 65								.1										1	1			
4/ 63							.1											1	1			
2/ 61			.1															1	1			
1/ 59		.3			.3	.1	.2											9	9			
1/ 57		.2			.2	.1				.1								6	6	5	1	
5/ 55		.3		.2	.4	.3	.2		.1									15	15	2	6	
4/ 53		.1		.1	.1			.1										4	4	2	1	
2/ 51	.1	.2		.4	.6													12	12	12	5	
1/ 49	.1	.7	.1	.1	.4	.1	.1											15	15	4	2	
1/ 47	.1	.4	.4	.2	.2	.2	.2	.1										18	18	17	4	
4/ 45		.7	.9	1.4	1.9	.8												51	51	11	8	
4/ 43		.8	.9	1.7	1.0	.1												40	40	24	7	
2/ 41		.4	1.7	2.6	1.8	.1												59	59	19	14	
1/ 39		.6	1.4	1.7	1.9													50	50	36	15	
3/ 37		1.2	1.6	2.9	.8													58	58	62	12	
1/ 35		1.9	1.8	4.3	1.4													85	85	69	30	
3/ 33	.7	1.0	1.8	3.1	.7													65	65	62	36	
2/ 31	.3	3.1	2.6	4.6	1.1													105	105	81	39	
1/ 29	.1	1.2	2.8	2.														55	55	89	51	
1/ 27		.8	3.8	2.7														65	65	76	58	
6/ 25		1.6	3.0	1.7														56	56	73	46	
2/ 23		.8	1.4	.7														26	26	74	45	
2/ 21		1.0	1.7	.8														31	31	53	47	
1/ 19		.7	.9	.6														19	19	37	75	
1/ 17		.9	1.0	.1														18	18	27	61	
16/ 15		.9	.6															13	13	21	58	
14/ 13		.9	.4															12	12	18	40	
11/ 11		.7	.3															9	9	16	46	
9/ 9		.1																1	1	7	48	
8/ 7																				3	46	
7/ 5																					22	
4/ 3																					17	
1/ 1																					17	
1/ -1																					7	
Element (X)	$\Sigma X^2$		$\Sigma X$		$\Sigma$		$\sigma^2$		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.											$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$	Total					
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2

•

**YEARS**

DEC  
MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

**USAFETAC**  
FORM  
JUL 64  
**0-26-5 (OL A)**  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1-703 WESTOVER AFB MA  
STATION STATION NAME

69-70, 73-80  
YEARS

DEC  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
6/ 65							.1											1	1			
5/ 61		.1			.1	.2												4	4			
4/ 59		.2			.2	.2	.1											7	7	2		
3/ 57		.3			.1	.1												5	5	2		
5/ 55					.2	.2												4	4	2	3	
4/ 53				.2	.3	.1			.1									7	7	3		
2/ 51		.4	.4		.4	.1												13	13	3		
5/ 49	.1	.2	.3	.1	.3		.1											11	11	10	5	
4/ 47	.1	.2	.3	.3	.2	.2	.1											14	14	15	4	
4/ 45	.1	.7	.6	1.2	1.3	.1												36	36	10	6	
4/ 43		1.5	.2	2.0	1.1	.3												46	46	18	8	
2/ 41		.3	1.9	1.7	1.5													48	48	25	20	
40/ 39		.7	.8	3.8	1.9	.1												65	65	20	11	
3/ 37	.2	1.3	1.7	2.8	1.0	.2												65	65	65	8	
3/ 35	.6	1.7	2.5	3.2	1.2													82	82	62	25	
3/ 33	.6	1.1	2.3	3.0	.8													70	70	73	37	
2/ 31	.3	3.0	3.0	3.2	1.3													98	98	90	47	
1/ 29	.2	2.0	2.7	2.3														65	65	79	44	
22/ 27	.1	1.1	3.8	2.6														68	68	43	57	
26/ 25		2.1	3.5	1.7														65	65	75	62	
24/ 23		.1	1.9	.2														20	20	85	42	
22/ 21		.8	1.0	.8														23	23	52	52	
1/ 19		.7	1.7	.4														25	25	33	63	
13/ 17	.1	1.3	1.8	.1														30	30	20	57	
10/ 15	.1	.8	.4															12	12	37	48	
14/ 13		.3	.7															9	9	20	65	
12/ 11			.2															2	2	5	36	
1/ 9																				6	54	
8/ 7		.1																1	1	2	44	
6/ 5																				1	17	
4/ 3																					18	
2/ 1																					15	
1/ -1																					6	
-2/ -3																					7	
Element (X)	Σ X <sup>2</sup>		Σ X		Σ	Σ	Σ	Σ	No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

DEC  
MONTH

1500-1700  
HOURS (L. S. T.)

[illegible]



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14723 WESTOVER AFB MA  
STATION STATION NAME

69-70, 73-80

YEARS

DEC  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
7/ 61		.3																3	3		
7/ 59																				3	3
7/ 57		.1	.1	.2	.1													5	5		
5/ 55		.2	.1		.2													5	5	2	
4/ 53			.3			.1	.1											6	6	2	2
2/ 51		.5	.5	.2	.3													13	13	5	2
5/ 49			.1	.2	.2													5	5	8	4
4/ 47			.2	.3	.1													6	6	5	5
4/ 45		.3	.5	.5	.2		.1											14	14	4	3
4/ 43	.3	.7	.7	1.2	.2	.1												29	29	15	6
42/ 41	.2	.9	1.9	.5		.2												33	33	22	12
40/ 39		.9	2.3	1.0	.3	.1												41	41	21	12
30/ 37	.5	2.1	1.7	.9														46	46	44	18
30/ 35	.5	2.0	4.0	2.7														81	81	51	23
34/ 33		2.7	3.4	2.4	.1													76	76	51	40
2/ 31	.1	4.5	4.4	2.0	.5													102	102	69	42
10/ 29	.2	2.1	3.6	1.6	.3													70	70	97	43
23/ 27		2.8	3.7	1.5														71	71	76	59
15/ 25	.1	2.4	2.9	.6														53	53	91	52
24/ 23	.2	1.4	2.7	.1														39	39	67	41
2/ 21		1.7	3.5	.5														50	50	48	46
2/ 19	.1	2.8	1.7	.1														42	42	53	77
16/ 17	.1	2.1	2.0															38	38	45	51
10/ 15		1.7	1.4															27	27	34	47
14/ 13	.1	.7	.7															13	13	33	48
17/ 11	.1	.3	.5															8	8	16	63
7/ 9		.2	.2															4	4	7	53
5/ 7		.1	.2															3	3	6	32
6/ 5																				3	21
4/ 3																					16
2/ 1		.2																2	2	1	15
7/ -1																				1	11
-2/ -3																					10
-4/ -5	.1																	1	1	1	6
Element (X)	Σ X <sup>1</sup>		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature								
Rel. Hum.													≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total		
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OLA) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

DEC  
MONTH

**HOURS (L. S. T.)**

**USAFETAC**  
FORM  
JA 64  
**0-26-5 (OLA)**  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2

USE WITH CAUTION  
SEE FIRST PAGE

**YEARS**

PAGE 1 2120-2300  
HOURS (L. S. T.)

[illegible]

REVIEWED AND VARIOUS PORTIONS OF THIS FORM ARE COLLECTED

0-26-5 (OLA)

**USAFETAC**



**USAFETAC**



2

## YEARS

DEC  
MONTH

ALL  
HOURS (L. S. T.)

[illegible]



2

## 2

DEC

STATION

STATION NAME

YEARS

MONTH

ALL  
HOURS (L. S. T.)

**USAFETAC**  
FORM  
JUL 64  
0-26-5 (DLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

14703      WESTOVER AFB MA  
STATION      STATION NAME

69-75, 73-81

YEARS

ALL  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point								
27/101													.0	.0				2	2									
27/99										.0			.0	.0				3	3									
3/97									.0	.0	.0	.0	.0					23	23									
6/95									.0	.0	.0	.0	.0					23	23									
4/93							.0	.0	.0	.0	.0	.0	.0	.0	.0			83	83									
7/91							.0	.0	.1	.1	.1	.0		.0	.0			189	189									
7/89					.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0			292	292									
8/87			.0		.0	.1	.1	.1	.1	.1	.1	.0	.0	.0				444	444									
6/85			.0	.0	.0	.1	.2	.2	.2	.1	.1	.0						706	706									
4/83			.0	.0	.1	.2	.2	.2	.2	.1	.1	.0	.0					856	856									
7/81			.0	.1	.2	.3	.3	.3	.2	.1	.1	.0	.0					1075	1075	7								
7/79			.0	.2	.3	.3	.3	.3	.2	.2	.1	.0	.0	.0				1389	1389	62								
7/77		.0	.1	.3	.4	.3	.3	.2	.2	.1	.1	.0	.0					1551	1551	213								
6/75		.1	.3	.4	.4	.4	.2	.3	.2	.1	.1	.0	.0					1841	1841	584								
4/73		.3	.4	.5	.3	.3	.3	.3	.2	.1	.0	.0						2109	2109	1259								
7/71	.1	.5	.7	.4	.4	.3	.3	.2	.2	.1	.0	.0						2407	2407	1793								
7/69	.1	.6	.8	.4	.4	.3	.3	.2	.1	.1	.0	.0						2542	2542	2318								
5/67	.1	.6	.8	.4	.4	.3	.3	.2	.1	.1	.0	.0						2462	2462	2599								
6/65	.1	1.0	.5	.5	.3	.3	.3	.2	.1	.1								2408	2408	2661								
4/63	.1	1.0	.5	.5	.3	.4	.3	.2	.1	.0	.0							2539	2539	2917								
2/61	.1	.9	.6	.4	.3	.3	.2	.2	.1	.0	.0							2299	2300	2790								
7/59	.1	1.1	.6	.4	.4	.3	.3	.2	.1	.0								2563	2563	2738								
7/57	.1	1.1	.7	.4	.4	.2	.3	.2	.1	.0								2489	2489	2856								
5/55	.1	1.0	.5	.4	.3	.3	.2	.1	.0									2249	2249	2674								
4/53	.1	1.0	.6	.4	.3	.3	.2	.1	.0									2194	2194	2657								
2/51	.1	.9	.7	.4	.4	.3	.2	.1										2263	2263	2421								
5/49	.1	.9	.6	.4	.4	.3	.2	.0	.0									2173	2173	2505								
6/47	.1	.9	.5	.5	.5	.3	.1	.0										2123	2123	2417								
4/45	.1	.9	.6	.5	.7	.3	.1	.0										2312	2312	2338								
4/43	.1	1.0	.6	.8	.5	.2	.1	.0										2402	2402	2236								
2/41	.1	.7	.7	.8	.5	.2	.0											2185	2185	2448								
40/39	.2	.8	.8	.9	.5	.1	.0											2374	2374	1950								
30/37	.2	.9	.7	.8	.4	.1												2221	2221	2672								
20/35	.2	1.0	.9	1.0	.4	.0												2564	2564	2637								
Element (X)	Σ X <sup>2</sup>				Σ X				Σ		Σ <sub>A</sub>		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.															≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																												
Wet Bulb																												
Dew Point																												



## PSYCHROMETRIC SUI

69-72, 73-81

STATION

STATION NAME

YEARS

PAGE 3

[illegible]



## PSYCHROMETRIC SUMMARY

1473                      WESTOVER AFB MA  
STATION                      STATION NAME

69-70, 73-81

YEARS

ALL  
MONTH

PAGE 7

ALL  
HOURS (L. S. T.)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14703 WESTOVER AFB MA

69-70,73-81

STATION		STATION NAME										YEARS			
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
0-02	MEAN	22.7	24.2	31.9	41.9	51.0	59.8	64.4	63.5	56.4	44.9	40.0	27.8	44.6	
	S.D.	13.403	10.914	7.630	9.668	8.237	7.203	6.813	6.829	9.701	10.274	10.174	11.407	17.245	
	TOTAL OBS	466	356	465	450	467	451	466	468	507	465	450	441	5452	
3-05	MEAN	21.3	22.2	30.3	39.4	48.6	57.7	62.4	61.2	54.3	43.0	38.7	26.8	42.7	
	S.D.	14.247	11.751	8.012	9.892	8.624	7.951	7.405	7.505	10.326	10.913	10.557	11.927	17.375	
	TOTAL OBS	465	357	465	450	466	450	465	467	508	465	450	441	5449	
6-08	MEAN	19.9	21.7	32.0	43.5	54.2	62.8	67.2	65.5	56.0	44.9	37.9	26.1	45.8	
	S.D.	13.661	12.469	8.839	8.961	7.586	6.851	6.192	7.185	9.848	10.391	10.102	11.569	18.757	
	TOTAL OBS	763	681	774	767	926	899	930	928	900	915	751	747	9981	
9-11	MEAN	24.4	27.8	38.1	51.1	62.3	70.8	75.6	74.4	64.9	53.4	43.7	30.2	51.6	
	S.D.	11.400	11.209	9.016	9.985	8.596	7.406	6.058	6.699	8.182	8.574	9.353	10.105	19.829	
	TOTAL OBS	912	843	930	900	930	900	930	930	900	930	900	900	10905	
12-14	MEAN	28.7	32.8	42.7	56.0	67.4	75.5	80.3	79.3	70.3	58.9	48.2	34.2	56.4	
	S.D.	10.007	10.725	9.827	11.372	9.917	8.150	6.860	7.272	8.441	9.018	9.398	9.814	20.152	
	TOTAL OBS	912	843	930	900	930	900	930	930	900	930	900	900	10905	
15-17	MEAN	29.4	33.8	43.4	56.5	68.0	75.7	80.3	79.2	70.3	58.3	47.4	33.7	56.6	
	S.D.	9.853	10.511	9.835	11.433	9.992	8.047	6.701	7.144	8.350	9.126	9.561	9.336	20.022	
	TOTAL OBS	911	843	930	900	930	900	930	930	900	930	900	896	10900	
18-20	MEAN	26.2	30.2	39.1	51.6	63.1	70.4	74.8	73.0	63.4	51.6	42.9	30.6	51.7	
	S.D.	10.291	10.353	8.914	10.145	8.927	7.572	6.249	6.741	8.556	9.283	9.334	9.519	18.997	
	TOTAL OBS	911	841	930	900	930	900	930	930	900	930	900	886	10888	
21-23	MEAN	24.0	27.3	35.6	46.5	56.5	64.2	68.4	67.3	59.0	47.6	40.9	28.8	46.0	
	S.D.	11.392	10.720	8.300	9.245	8.084	6.920	6.269	6.472	8.815	9.851	9.546	10.252	17.743	
	TOTAL OBS	766	676	775	731	623	603	622	628	636	636	750	744	8190	
ALL HOURS	MEAN	25.1	28.4	37.6	49.6	60.4	68.5	73.1	71.8	62.8	51.4	43.1	30.3	50.5	
	S.D.	11.976	11.784	10.048	11.686	10.968	9.727	9.002	9.389	10.700	11.131	10.264	10.698	19.659	
	TOTAL OBS	6106	5440	6199	5998	6202	6003	6203	6211	6151	6201	6001	5955	72670	



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14703 WESTOVER AFB MA

69-70, 73-81

STATION		STATION NAME										YEARS			
HRS (LST)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
0-07	MEAN	20.7	21.5	28.9	37.8	47.7	57.2	61.9	61.6	53.9	42.3	37.4	25.7	42.0	
	S D	12.717	10.395	7.572	9.177	8.180	6.985	6.615	6.628	9.400	9.976	9.725	10.930	17.076	
	TOTAL OBS	466	356	465	450	467	451	466	468	507	465	450	441	5452	
3-05	MEAN	19.2	19.9	27.8	36.2	46.1	55.7	60.5	59.8	52.3	40.7	36.3	24.9	40.5	
	S D	13.558	11.142	7.976	9.367	8.646	7.715	7.295	7.301	10.011	10.482	10.044	11.437	17.256	
	TOTAL OBS	465	357	465	450	466	450	465	467	508	465	450	441	5449	
6-08	MEAN	18.7	19.6	29.0	38.9	50.2	58.9	63.3	62.7	53.4	42.4	35.5	24.0	42.3	
	S D	13.071	11.954	8.711	8.404	7.557	6.648	5.902	6.656	9.486	10.145	9.832	11.120	18.149	
	TOTAL OBS	763	681	774	766	926	899	930	928	900	915	751	747	9980	
9-11	MEAN	21.6	24.2	33.1	43.1	54.2	62.6	66.8	66.7	58.5	47.8	39.4	27.1	45.6	
	S D	11.666	11.643	8.450	8.253	7.682	6.491	5.504	5.718	7.619	8.495	8.921	9.633	17.864	
	TOTAL OBS	912	843	930	900	930	900	930	930	900	930	900	900	10905	
12-14	MEAN	24.7	27.7	35.9	45.5	56.3	64.3	68.1	68.0	60.5	50.4	41.9	29.8	48.0	
	S D	9.282	9.849	8.540	8.240	7.811	6.485	5.438	5.606	7.376	8.389	8.925	9.087	17.176	
	TOTAL OBS	911	843	930	900	930	900	930	930	900	930	900	900	10904	
15-17	MEAN	25.2	28.4	36.3	45.6	56.5	64.4	68.1	68.0	60.6	50.0	41.3	29.5	48.0	
	S D	9.153	9.647	8.492	8.178	7.784	6.257	5.295	5.462	7.276	8.514	9.109	8.740	17.034	
	TOTAL OBS	911	843	930	900	930	900	930	930	900	930	900	896	10900	
18-20	MEAN	23.0	26.0	33.8	43.3	54.5	62.4	66.5	66.2	58.0	46.7	38.8	27.4	45.8	
	S D	9.887	9.860	8.307	8.197	7.773	6.420	5.424	5.648	7.863	9.202	9.234	9.129	17.278	
	TOTAL OBS	911	841	930	900	930	900	930	930	900	930	900	886	10888	
21-23	MEAN	21.4	24.0	31.6	40.6	51.3	59.6	64.1	63.7	55.6	44.2	37.6	26.2	42.2	
	S D	10.867	10.324	8.210	8.464	7.894	6.582	5.816	6.078	8.453	9.660	9.391	9.816	17.156	
	TOTAL OBS	766	676	775	731	623	603	622	628	636	636	750	744	8190	
ALL HOURS	MEAN	22.1	24.6	32.7	42.1	52.9	61.3	65.5	65.2	57.1	46.2	38.9	27.1	44.9	
	S D	11.205	10.839	8.838	8.980	8.525	7.186	6.296	6.610	8.842	9.818	9.559	10.005	17.594	
	TOTAL OBS	6105	5440	6199	5997	6202	6003	6203	6211	6151	6201	6001	5955	72668	



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
ATC WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

147-3 WESTOVER AFB MA

69-70,73-81

STATION		STATION NAME												YEARS	
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
0-02	MEAN	13.9	13.2	22.3	31.5	44.1	55.4	60.3	60.4	51.9	39.0	33.3	20.3	37.8	
	S D	15.235	13.176	10.753	11.234	10.082	7.486	7.006	6.834	9.928	11.272	11.201	12.586	19.729	
	TOTAL OBS	466	356	465	450	467	451	466	468	507	465	450	441	5452	
3-05	MEAN	12.7	12.3	21.7	30.9	43.4	54.3	59.2	58.9	50.4	37.8	32.5	19.8	36.8	
	S D	15.653	13.689	11.013	10.939	10.137	8.055	7.560	7.396	10.419	11.602	11.324	12.967	19.753	
	TOTAL OBS	465	357	465	450	466	450	465	467	508	465	450	441	5449	
6-08	MEAN	10.7	11.7	22.4	32.3	46.1	56.0	60.7	60.9	51.3	39.1	31.5	18.1	36.4	
	S D	15.762	15.026	11.887	10.759	9.669	7.736	6.795	6.919	10.080	11.363	11.496	13.283	20.679	
	TOTAL OBS	763	681	774	766	926	899	930	928	900	915	751	747	9987	
9-11	MEAN	12.8	14.1	23.5	32.5	46.7	56.9	61.4	62.1	53.5	41.5	33.2	19.4	38.4	
	S D	14.256	14.657	12.449	11.360	10.757	8.595	7.542	7.060	9.440	11.116	11.575	12.542	20.618	
	TOTAL OBS	912	843	937	920	930	900	930	930	900	930	900	900	10905	
12-14	MEAN	13.9	15.4	24.3	32.4	46.6	56.7	60.8	61.4	53.1	41.2	33.2	20.4	38.5	
	S D	13.263	14.106	12.645	11.607	11.200	9.130	7.836	7.682	9.880	11.725	12.113	12.368	20.173	
	TOTAL OBS	911	843	930	900	930	900	930	930	900	930	900	900	10904	
15-17	MEAN	14.1	15.6	24.2	32.0	46.3	56.7	60.7	61.2	53.2	40.9	32.9	20.2	38.4	
	S D	13.214	14.278	12.744	11.794	11.565	8.898	7.863	7.765	9.820	11.921	12.214	12.244	20.182	
	TOTAL OBS	911	843	930	900	930	900	930	930	900	930	900	896	10900	
18-20	MEAN	13.5	15.2	23.8	32.2	46.4	56.6	61.3	61.9	53.7	41.0	32.6	19.8	38.4	
	S D	13.532	14.068	12.236	11.677	11.173	8.557	7.476	7.100	9.176	11.498	11.730	12.195	20.324	
	TOTAL OBS	911	841	930	900	930	900	930	930	900	930	900	886	10888	
21-23	MEAN	13.2	14.7	23.5	32.3	46.0	56.3	61.4	61.4	52.9	40.0	32.4	19.5	36.5	
	S D	13.966	13.965	11.895	11.296	10.556	7.805	6.816	6.806	9.207	11.310	11.557	12.319	20.215	
	TOTAL OBS	766	676	775	731	623	603	622	628	636	636	750	744	8190	
ALL HOURS	MEAN	13.1	14.3	23.4	32.1	46.0	56.3	60.8	61.2	52.7	40.3	32.7	19.7	38.0	
	S D	14.254	14.282	12.153	11.390	10.783	8.426	7.431	7.278	9.770	11.542	11.728	12.536	20.286	
	TOTAL OBS	6105	5440	6199	5997	6202	6003	6203	6211	6151	6201	6001	5955	72668	



GLOBAL CLIMATOLOGY BRANCH  
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USE WITH CAUTION  
SEE FIRST PAGE

## RELATIVE HUMIDITY

14723  
STATION

NESTOVER AFB MA

STATION NAME

70,73-81

PERIOD

JAN  
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	99.8	96.4	89.5	71.9	52.1	29.6	6.7	70.0	466
	03-05	100.0	100.0	99.8	96.6	90.5	75.3	54.8	32.9	8.6	71.3	465
	06-08	100.0	100.0	99.9	96.3	84.5	66.1	45.1	26.9	7.1	68.4	763
	09-11	100.0	100.0	99.6	90.7	74.2	50.2	31.5	18.3	5.3	62.6	912
	12-14	100.0	100.0	95.7	81.0	56.4	32.2	18.8	11.5	4.6	55.5	911
	15-17	100.0	100.0	95.0	78.5	52.4	30.6	18.9	11.6	4.6	54.6	911
	18-20	100.0	100.0	98.7	89.2	67.6	43.6	25.4	14.2	4.5	58.9	911
	21-23	100.0	100.0	99.5	94.6	79.9	55.1	35.8	20.0	4.8	64.6	766
TOTALS		100.0	100.0	98.5	90.4	74.4	53.1	35.3	20.6	5.8	63.4	6105



GLOBAL CLIMATOLOGY BRANCH  
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USE WITH CAUTION  
SEE FIRST PAGE

## RELATIVE HUMIDITY

45763  
STATION

WESTOVER AFB MA

STATION NAME

7C, 73-81

**PERIOD**

FSL

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	0-02	100.0	100.0	98.9	93.0	78.1	54.8	35.1	19.7	5.1	64.1	356
	03-05	100.0	100.0	100.0	94.1	84.9	61.6	41.5	24.6	5.0	66.8	357
	06-08	100.0	100.0	99.9	93.8	83.1	61.2	39.9	23.1	6.5	66.3	681
	09-11	100.0	100.0	98.2	84.5	60.3	38.6	24.2	12.9	5.2	58.0	843
	12-14	100.0	99.6	92.4	68.4	40.0	22.9	16.4	9.0	3.0	50.7	843
	15-17	100.0	99.3	88.6	61.8	35.1	22.9	16.8	10.1	3.4	49.5	843
	18-20	100.0	100.0	96.0	80.5	52.3	32.9	19.4	11.7	3.4	55.3	841
	21-23	100.0	100.0	97.6	90.8	69.4	44.8	26.9	15.7	4.6	60.6	676
TOTALS		100.0	99.9	96.5	83.4	62.9	42.5	27.5	15.9	4.5	58.9	5440

**USAFETAC**

FORM  
JUL 64

0-87-5 (OL A)



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

USE WITH CAUTION  
SEE FIRST PAGE

1473  
STATION

AF STOVER AFB MA

STATION NAME

69-70,73-80

PERIOD

MAR  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	0-02	100.0	100.0	99.4	95.5	86.2	67.5	48.8	29.7	12.3	69.3	465
	2-05	100.0	100.0	98.7	96.3	88.4	73.5	55.5	35.5	14.2	71.6	465
	4-08	100.0	100.0	99.6	96.1	83.5	68.0	48.1	30.6	9.2	69.1	774
	6-11	100.0	100.0	95.7	81.9	58.9	39.0	25.2	17.0	5.5	58.0	930
	8-14	100.0	98.9	66.7	64.2	41.5	28.7	21.0	12.7	3.3	51.2	930
	10-17	100.0	98.0	83.5	59.9	37.8	27.1	20.4	12.3	4.0	50.0	930
	12-2	100.0	99.6	94.7	78.3	55.6	37.1	23.9	15.2	5.8	56.7	930
	1-23	100.0	99.9	97.8	91.6	74.7	51.1	31.9	21.4	6.3	63.4	775
TOTALS		100.0	99.6	94.4	83.0	65.8	49.0	34.4	21.8	7.8	61.2	6199

USAFETAC

FORM  
JUL 64

0-87-5 (OL A)



USE WITH CAUTION  
SEE FIRST PAGE

## RELATIVE HUMIDITY

3 ESTOVER AFB MA  
STATION STATION NAME

69-70, 73-80

APR  
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
1-2	0-02	100.0	100.0	100.0	98.0	87.3	65.1	38.7	22.7	8.9	67.9	450
	3-05	100.0	100.0	100.0	98.9	93.6	78.9	55.6	30.9	12.4	72.8	450
	6-08	100.0	100.0	99.7	94.0	80.3	58.9	40.9	23.6	9.1	66.5	766
	9-11	100.0	99.8	89.3	63.8	44.3	30.4	21.4	10.6	3.3	52.1	900
	12-14	100.0	96.3	68.6	43.8	30.7	23.2	17.9	9.3	3.4	45.1	900
	15-17	100.0	92.7	64.2	44.1	30.1	22.7	16.8	9.1	4.1	44.0	900
	18-2	100.0	98.7	82.4	60.9	43.0	29.7	21.7	11.9	6.0	51.3	900
	21-23	100.0	100.0	97.0	86.9	64.8	43.2	27.9	16.8	7.4	60.0	731
TOTALS		100.0	98.4	87.7	73.8	59.3	44.0	30.1	16.9	6.8	57.5	5997



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## RELATIVE HUMIDITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
PERIOD

MAY  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	0-02	100.0	100.0	99.8	97.9	95.3	89.1	72.6	47.1	24.2	78.4	467
	03-05	100.0	100.0	100.0	99.4	97.2	94.4	83.5	60.5	34.8	83.0	466
	06-08	100.0	100.0	99.5	98.2	91.1	80.0	64.1	41.0	21.2	75.4	926
	09-11	100.0	99.8	96.6	82.0	64.1	42.0	28.6	17.1	7.0	59.3	930
	12-14	100.0	98.5	85.8	63.3	41.3	28.8	18.0	11.9	3.3	50.7	930
	15-17	100.0	96.8	81.6	59.7	40.2	27.7	18.5	10.6	4.7	49.7	930
	18-20	100.0	99.4	92.3	76.7	58.5	40.8	27.6	16.9	7.4	57.9	930
	21-23	100.0	100.0	98.7	93.9	84.9	68.7	51.7	29.4	11.9	69.8	623
TOTALS		100.0	99.3	94.3	83.9	71.6	58.9	45.6	29.3	14.3	65.5	6202

USAFETAC

FORM  
JUL 64

0-87-5 (OL A)



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

**RELATIVE HUMIDITY**

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
PERIOD

JUN  
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	100.0	99.8	97.1	91.1	75.2	29.9	85.5	451
	03-05	100.0	100.0	100.0	100.0	99.6	98.9	96.2	87.3	39.8	88.5	450
	06-08	100.0	100.0	100.0	100.0	98.6	89.8	75.0	50.8	18.4	79.3	899
	09-11	100.0	100.0	99.8	92.9	74.1	52.6	32.6	17.4	3.9	63.1	900
	12-14	100.0	100.0	97.0	73.6	50.7	33.9	21.0	10.6	2.7	54.5	900
	15-17	100.0	100.0	95.2	73.8	51.8	34.4	20.3	10.9	2.4	54.5	900
	18-20	100.0	100.0	99.3	90.9	73.8	55.1	36.3	19.6	5.8	63.8	900
	21-23	100.0	100.0	100.0	99.7	96.2	83.7	68.8	45.4	11.8	76.4	603
TOTALS		100.0	100.0	98.9	91.4	80.6	68.2	55.2	39.7	14.3	70.7	6003



## RELATIVE HUMIDITY

JUL  
MONTH

0-87.5 (OL A)



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF Weather Service/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## RELATIVE HUMIDITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80

PERIOD

AUG  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	100.0	100.0	99.4	97.4	89.1	50.0	89.7	468
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	98.5	95.7	63.2	91.8	467
	06-08	100.0	100.0	100.0	100.0	99.9	98.7	90.7	74.7	29.6	85.3	928
	09-11	100.0	100.0	99.9	98.9	88.2	64.2	38.4	19.7	3.3	66.8	930
	12-14	100.0	100.0	98.8	84.9	55.7	33.7	19.3	11.7	2.5	56.2	930
	15-17	100.0	100.0	98.6	81.6	54.0	34.7	22.4	12.8	3.3	56.3	930
	18-20	100.0	100.0	100.0	97.3	86.7	71.0	53.0	29.9	6.3	69.9	930
	21-23	100.0	100.0	100.0	100.0	98.2	92.8	85.4	66.4	20.9	82.1	628
TOTALS		100.0	100.0	99.7	95.3	85.3	74.3	63.2	50.0	22.4	74.8	6211

USAFETAC

FORM  
JUL 64

0-87-5 (OL A)



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA

STATION NAME

69-70,73-80

PERIOD

SEP  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	100.0	100.0	98.2	91.9	75.9	23.7	84.9	507
	03-05	100.0	100.0	100.0	100.0	99.8	98.0	95.3	81.3	34.8	86.7	508
	06-08	100.0	100.0	100.0	100.0	99.1	96.0	89.3	72.7	32.2	84.6	900
	09-11	100.0	100.0	99.8	97.4	85.8	63.1	43.2	26.1	6.8	67.9	900
	12-14	100.0	100.0	98.4	85.1	53.8	32.6	23.2	13.0	2.7	56.6	900
	15-17	100.0	100.0	98.7	84.8	54.0	34.4	22.8	13.1	2.2	56.8	900
	18-20	100.0	100.0	99.9	98.3	91.8	76.3	57.1	33.1	7.1	72.0	900
	21-23	100.0	100.0	100.0	100.0	98.4	92.8	82.1	59.4	14.6	80.7	636
TOTALS		100.0	100.0	99.5	95.7	85.3	73.9	63.1	46.8	15.5	73.8	6151

USAFETAC

FORM  
JUL 64

0-87-5 (OL A)



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## RELATIVE HUMIDITY

147:3  
STATION

RESTORED AFB MA

STATION NAME

69-70, 73-AJ

PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY
		10%	20%	30%	40%	50%	60%	70%	80%	90%	
JUN	00-02	100.0	100.0	100.0	100.0	98.3	89.7	79.6	63.7	18.5	30.0
	03-05	100.0	100.0	100.0	100.0	98.9	91.4	81.4	66.4	26.5	32.0
	06-08	100.0	100.0	100.0	100.0	97.7	93.1	78.3	61.1	26.0	31.4
	09-11	100.0	100.0	99.8	95.5	78.5	57.4	39.7	23.3	8.1	65.0
	12-14	100.0	100.0	96.7	74.4	49.6	31.1	18.7	12.3	3.4	54.0
	15-17	100.0	99.9	95.7	76.6	50.9	32.0	19.1	12.7	4.1	54.0
	18-20	100.0	100.0	99.8	97.4	85.5	66.0	44.7	24.5	6.8	63.0
	21-23	100.0	100.0	100.0	100.0	94.3	83.8	66.0	45.4	11.6	76.0
TOTALS		100.0	100.0	99.0	93.1	81.7	67.7	53.5	38.9	17.1	77.0

**USAFETAC**

FORM  
JUL 64

0-87-5 (OL A)



AD-A110 237

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
WESTOVER AFB, CHICOPEE FALLS, MASSACHUSETTS REVISED UNIFORM SUM--ETC(U)  
OCT 81

UNCLASSIFIED

USAFETAC/OS-81/091

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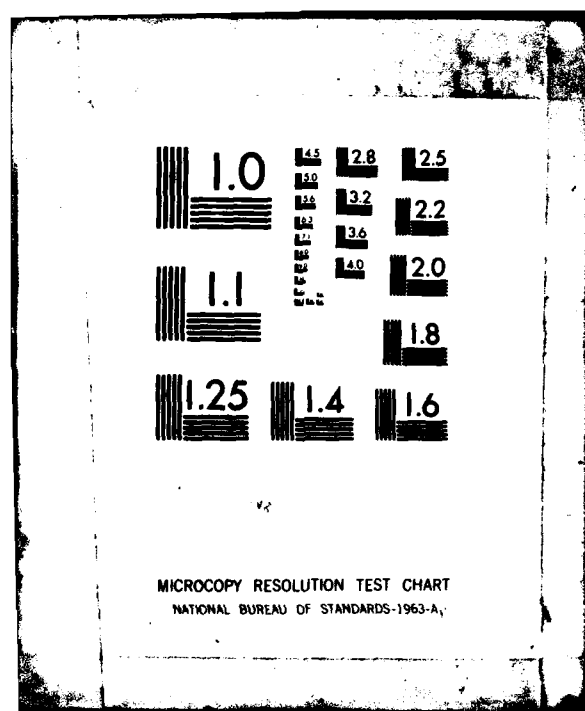
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2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## RELATIVE HUMIDITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
PERIOD

NOV  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	100.0	99.6	95.3	85.3	73.6	50.9	20.2	78.0	450
	03-05	100.0	100.0	100.0	100.0	96.4	87.1	74.0	56.9	21.3	79.3	450
	06-08	100.0	100.0	100.0	99.9	96.0	85.1	71.2	53.3	20.8	78.4	751
	09-11	100.0	100.0	99.9	96.2	81.2	62.6	46.1	28.2	8.9	68.0	900
	12-14	100.0	99.9	98.1	85.8	58.8	39.9	25.2	15.2	4.0	58.1	900
	15-17	100.0	100.0	98.3	86.4	61.2	41.3	27.7	17.4	3.6	59.3	900
	18-20	100.0	100.0	99.9	98.2	85.0	64.1	45.3	27.2	8.7	68.3	900
	21-23	100.0	100.0	100.0	99.2	92.3	74.4	58.0	38.0	13.7	72.9	750
TOTALS		100.0	100.0	99.5	95.7	83.3	67.5	52.6	35.9	12.7	70.3	6001



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
PERIOD

DEC  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	100.0	99.3	96.6	82.5	58.3	38.1	10.9	74.1	441
	03-05	100.0	100.0	100.0	100.0	95.9	86.6	64.9	41.7	11.3	75.6	441
	06-08	100.0	100.0	99.6	98.3	93.4	78.4	56.1	33.9	9.5	72.5	747
	09-11	100.0	100.0	98.6	95.6	82.7	58.3	37.8	21.0	6.0	65.5	900
	12-14	100.0	99.8	97.7	88.7	64.8	39.6	24.0	15.0	5.1	58.9	900
	15-17	100.0	99.9	97.3	89.3	65.7	40.0	25.0	16.1	5.6	59.5	896
	18-20	100.0	100.0	98.5	94.4	81.5	61.9	37.6	20.5	6.4	65.7	886
	21-23	100.0	100.0	99.5	96.2	87.9	69.8	48.0	27.7	8.1	69.4	744
TOTALS		100.0	100.0	98.9	95.2	83.6	64.6	44.0	26.8	7.9	67.7	5959



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-81  
PERIOD

ALL  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	98.5	90.4	74.4	53.1	35.3	20.6	5.8	63.4	6105
FEB		100.0	99.9	96.5	83.4	62.9	42.5	27.5	15.9	4.5	58.9	5440
MAR		100.0	99.6	94.4	83.0	65.8	49.0	34.4	21.8	7.8	61.2	6199
APR		100.0	98.4	87.7	73.8	59.3	44.0	30.1	16.9	6.8	57.5	5997
MAY		100.0	99.3	94.3	83.9	71.6	58.9	45.6	29.3	14.3	65.5	6202
JUN		100.0	100.0	98.9	91.4	80.6	68.2	55.2	39.7	14.3	70.7	6003
JUL		100.0	100.0	99.3	92.8	81.5	67.7	54.9	41.4	16.0	71.2	6203
AUG		100.0	100.0	99.7	95.3	85.3	74.3	63.2	50.0	22.4	74.8	6211
SEP		100.0	100.0	99.5	95.7	85.3	73.9	63.1	46.8	15.5	73.8	6151
OCT		100.0	100.0	99.0	93.1	81.7	67.7	53.5	38.9	13.1	70.4	6201
NOV		100.0	100.0	99.5	95.7	83.3	67.5	52.6	35.9	12.7	70.3	6001
DEC		100.0	100.0	98.9	95.2	83.6	64.6	44.0	26.8	7.9	67.7	5955
TOTALS		100.0	99.8	97.2	89.5	76.3	61.0	46.6	32.0	11.8	67.1	72668

USAFETAC

FORM  
JUL 64

0-87-5 (OL A)



U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.

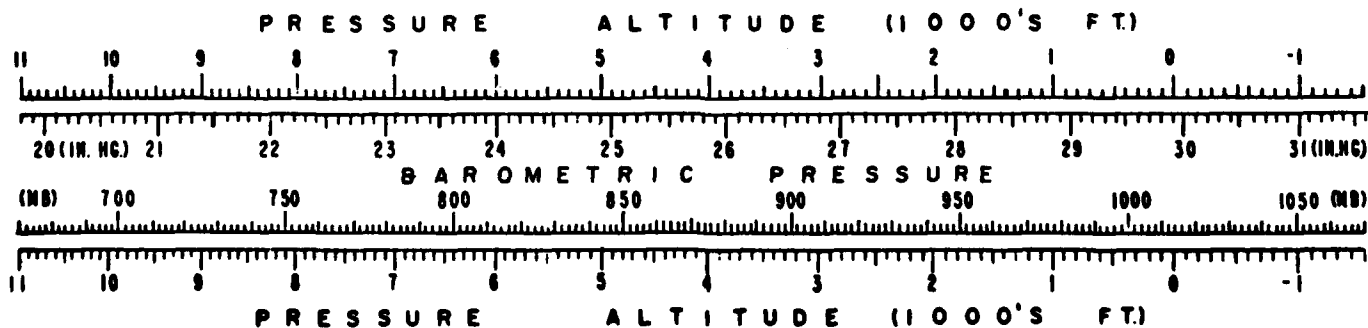
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.

2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.





### MEANS AND STANDARD DEVIATIONS

## 14703 WESTOVER AFB MA

69-70,73-81

USAF ETAC FORM 0-89-3 (OL A)

USAF ETAC FORM 96T 70

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GLOBAL CLIMATOLOGY BRANCH  
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USE WITH CAUTION  
SEE FIRST PAGE

## MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HGS FROM HOURLY OBSERVATIONS

14703

WESTOVER AFB MA

69-70,73-81

STATION		STATION NAME												YEARS	
HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
01	MEAN	1016.7	1016.7	1014.3	1013.9	1015.3	1015.1	1015.1	1016.0	1018.0	1020.1	1015.9	1015.6	1016.1	
	S.D.	8.795	11.055	10.792	9.042	6.568	5.614	4.905	4.352	5.925	7.200	9.876	10.390	8.249	
	TOTAL OBS	155	119	155	150	156	150	155	156	169	155	150	147	1817	
04	MEAN	1016.8	1016.3	1013.9	1013.7	1015.2	1015.0	1015.0	1015.9	1017.9	1020.1	1016.0	1015.6	1016.0	
	S.D.	8.841	11.541	10.967	9.014	6.705	5.845	5.118	4.542	5.958	7.473	9.893	10.618	8.411	
	TOTAL OBS	155	119	155	150	155	150	155	155	169	155	150	147	1815	
07	MEAN	1015.7	1016.8	1015.7	1015.0	1015.5	1015.6	1015.5	1017.1	1018.5	1018.8	1017.9	1016.4	1016.5	
	S.D.	10.500	10.569	10.119	8.635	7.004	6.256	5.214	4.742	6.390	8.432	9.571	10.688	8.483	
	TOTAL OBS	304	281	309	299	309	300	310	310	300	310	300	300	3632	
10	MEAN	1016.5	1017.1	1015.8	1014.7	1015.1	1015.3	1015.3	1017.0	1018.5	1018.8	1017.7	1017.2	1016.6	
	S.D.	10.790	10.510	10.115	8.635	6.915	6.205	5.126	4.739	6.433	8.504	9.550	10.771	8.528	
	TOTAL OBS	304	281	310	300	310	300	310	310	300	310	300	300	3635	
13	MEAN	1014.5	1015.4	1014.4	1013.2	1013.9	1014.3	1014.4	1016.1	1017.1	1017.1	1016.0	1015.2	1015.1	
	S.D.	10.640	10.171	9.872	8.438	6.629	6.094	5.040	4.611	6.342	8.322	9.330	10.705	8.338	
	TOTAL OBS	304	281	310	300	310	300	310	310	300	310	300	300	3635	
16	MEAN	1014.4	1014.9	1013.6	1012.3	1013.0	1013.8	1013.6	1015.2	1016.3	1016.7	1015.8	1015.3	1014.5	
	S.D.	10.665	9.909	9.671	8.228	6.383	5.899	5.008	4.451	6.234	8.182	9.129	10.460	8.196	
	TOTAL OBS	303	281	310	300	310	300	310	310	300	310	300	300	3634	
19	MEAN	1015.2	1016.0	1014.6	1013.3	1013.6	1014.0	1013.9	1015.7	1017.0	1017.6	1016.6	1016.1	1015.3	
	S.D.	10.604	9.946	9.585	8.111	6.223	5.734	4.836	4.342	6.066	8.209	9.100	10.285	8.117	
	TOTAL OBS	303	281	310	300	310	300	310	310	300	310	300	295	3629	
22	MEAN	1015.5	1016.5	1015.2	1014.9	1015.2	1015.3	1015.2	1016.1	1018.1	1020.4	1016.8	1016.2	1016.1	
	S.D.	10.523	10.069	9.789	8.377	6.224	5.467	4.723	4.279	5.948	7.596	9.105	10.238	8.659	
	TOTAL OBS	304	279	310	281	156	152	188	160	168	171	300	295	2731	
ALL HOURS	MEAN	1015.5	1016.2	1014.8	1013.8	1014.4	1014.7	1014.7	1016.2	1017.6	1018.4	1016.4	1016.0	1015.7	
	S.D.	10.396	10.348	10.027	8.531	6.660	5.987	5.057	4.578	6.247	8.214	9.394	10.527	8.400	
	TOTAL OBS	2132	1922	2169	2080	2016	1952	2018	2021	2006	2031	2100	2084	24528	



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8